

# **Red Seal** Occupational Standard **Drywall Finisher and** Plasterer



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# Red Seal Occupational Standard

# **Drywall Finisher and Plasterer**



Title: Drywall Finisher and Plasterer

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# Foreword

# The Canadian Council of Directors of Apprenticeship (CCDA) recognizes this Red Seal Occupational Standard (RSOS) as the Red Seal standard for the drywall finisher and plasterer trade.

### Background

The first National Conference on Apprenticeship in Trades and Industries, held in Ottawa in 1952, recommended that the federal government be requested to cooperate with provincial and territorial apprenticeship committees and officials in preparing analyses of a number of skilled occupations. Employment and Social Development Canada (ESDC) funds the Red Seal Program, which, under the guidance of the CCDA, develops a national occupational standard for each of the Red Seal trades.

Standards have the following objectives:

- to describe and group the tasks performed by skilled workers;
- to identify which tasks are performed in every province and territory;
- to develop instruments for use in the preparation of Interprovincial Red Seal Examinations and assessment tools for apprenticeship and certification authorities;
- to develop common tools for apprenticeship on-the-job and technical training in Canada;
- to facilitate the mobility of apprentices and skilled workers in Canada;
- to supply employers, employees, associations, industries, training institutions and governments with occupational standards.

Any questions, comments, or suggestions for changes, corrections, or revisions to this standard or any of its related products may be forwarded to:

Trades and Apprenticeship Division Apprenticeship and Sectoral Initiatives Directorate Employment and Social Development Canada 140 Promenade du Portage, Phase IV Gatineau, Quebec K1A 0J9

# Acknowledgements

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Special thanks are offered to the following representatives who contributed greatly to the original draft of the standard and provided expert advice throughout its development:

Dmitri Cassanova	Ontario
Marcelo Gatto	Ontario
Angelica Gil	Ontario
Christopher Parada Duarte	Ontario
Holly Thomas	Ontario

This standard was prepared by the Apprenticeship and Sectoral Initiatives Directorate of ESDC. The coordinating, facilitating and processing of this standard were undertaken by employees of the standards development team of the Trades and Apprenticeship Division and of Ontario, the host jurisdiction for this trade.

# **Structure of the Occupational Standard**

This standard contains the following sections:

**Methodology:** an overview of the process for development, review, validation and weighting of the standard

**Description of the Drywall Finisher and Plasterer Trade:** an overview of the trade's duties, work environment, job requirements, similar occupations and career progression

Trends in the Drywall Finisher and Plasterer Trade: some of the trends identified by industry as being the most important for workers in this trade

**Skills for Success Summary:** an overview of how each of the skills for success (formerly called essential skills) is applied in this trade

Roles and Opportunities for Skilled trades in a Sustainable Future: an overarching description of how in the context of climate change, skilled trades play a large role in implementing solutions and adjusting to changes in the world. In addition to highlighting the importance of this awareness, the standard may also contain more details on activities, skills and knowledge elements that are specific to the trade

**Industry Expected Performance:** description of the expectations regarding the level of performance of the tasks, including information related to specific codes, regulations and standards that must be observed

Language Requirements: description of the language requirements for working and studying in this trade in Canada

**Pie Chart of Red Seal Examination Weightings:** a graph which depicts the national percentages of exam questions assigned to the major work activities

**Task Matrix and Weightings:** a chart which outlines graphically the major work activities, tasks and subtasks of this standard and the national percentages of exam questions assigned to the major work activities and tasks

Harmonization of Apprenticeship Training: the aspects of apprenticeship training that participating provinces and territories have agreed upon to substantively align apprenticeship systems across Canada

Major Work Activity (MWA): the largest division within the standard that is comprised of a distinct set of trade activities

Task: distinct actions that describe the activities within a major work activity

Task Descriptor: a general description of the task

Sub-task: distinct actions that describe the activities within a task

### Skills:

**Performance Criteria:** description of the activities that are done as the sub-task is performed

**Evidence of Attainment:** proof that the activities of the sub-task meet the expected performance of a tradesperson who has reached journeyperson level

**Range of Variables:** elements and examples (not all-inclusive) that provide a more indepth description of a term used in the performance criteria and evidence of attainment

### Knowledge:

**Learning Outcomes:** describes what should be learned relating to a sub-task while participating in technical or in-school training

Learning Objectives: topics to be covered during technical or in-school training in order to meet the learning outcomes for the sub-task

**Range of Variables:** elements and examples (not all-inclusive) that provide a more indepth description of a term used in the learning outcomes and learning objectives

Appendix A - Acronyms: a list of acronyms used in the standard with their full name

Appendix B – Tools and Equipment / Outils et équipement : a bilingual non-exhaustive list of tools and equipment used in this trade

Appendix C – Glossary / Glossaire : bilingual definitions or explanations of selected technical terms used in the standard

# Methodology

### **Development of the Standard**

A draft standard is developed by a broad group of trade representatives, including tradespeople, instructors and employers at a National Workshop led by a team of facilitators. This draft standard breaks down all the tasks performed in the occupation and describes the knowledge and abilities required for a tradesperson to demonstrate competence in the trade.

### Harmonization of Apprenticeship Training

An analysis of all provinces' and territories' apprenticeship programs is performed and recommendations are made on harmonizing the name of the trade, the hours of training required and the number of levels of training. Provinces and territories consult with their respective industry stakeholders on these elements and revisions are discussed until consensus is reached. Following the development of the workshop draft of the RSOS, participants discuss and come to consensus on the sequence of training topics, as expressed in the new standard. Their sequencing recommendations are reviewed by stakeholders in participating provinces and territories and further discussions are convened to reach consensus and to identify any exceptions.

### **Online Survey**

Stakeholders are asked to review and validate the activities described in the new standard via an online survey. These stakeholders are invited to participate in this consultation through apprenticeship authorities, as well as national stakeholder groups.

### **Draft Review**

The RSOS development team forwards a copy of the standard to provincial and territorial authorities who consult with industry representatives to review it. Their recommendations are assessed and incorporated into the standard.

### Validation and Weighting

Participating provinces and territories also consult with industry to validate and weight the document for the purpose of planning the makeup of the Red Seal Interprovincial Examination for the trade. They validate and weight the major work activities (MWA), tasks and sub-tasks, of the standard as follows:

MWA	Each jurisdiction assigns a percentage of questions to each MWA for an examination that would cover the entire trade.
Tasks	Each jurisdiction assigns a percentage of exam questions to each task within a MWA.
Sub-tasks	Each jurisdiction indicates, with a "yes" or "no", whether or not each sub-task is performed by skilled workers within the occupation in its jurisdiction.

The results of this exercise are submitted to the RSOS development team who then analyzes the data and incorporates it into the document. The RSOS provides the individual jurisdictional validation results as well as the national averages of all responses. The national averages for MWA and task weighting guide the Interprovincial Red Seal Examination plan for the trade.

The validation of the RSOS is used to identify common core sub-tasks across Canada for the occupation. If at least 70% of the responding jurisdictions' industry performs a sub-task, it shall be considered common core. Interprovincial Red Seal Examination questions are limited to the common core sub-tasks identified through this validation process.

### **Definitions for Validation and Weighting**

yes	sub-task performed by qualified workers in the occupation in that province or territory
no	sub-task not performed by qualified workers in the occupation in that province or territory
NV	standard <u>N</u> ot <u>V</u> alidated by that province or territory
ND	trade <u>N</u> ot <u>D</u> esignated in a province or territory
Not Common Core (NCC)	sub-task, task or MWA performed less than 70% of responding jurisdictions; these will not be tested by the Interprovincial Red Seal Examination for the trade
National Average %	average percentage of questions assigned to each MWA and task in Interprovincial Red Seal Examination for the trade

# **Provincial/Territorial Abbreviations**

NL	Newfoundland and Labrador
NS	Nova Scotia
PE	Prince Edward Island
NB	New Brunswick
QC	Quebec
ON	Ontario
MB	Manitoba
SK	Saskatchewan
AB	Alberta
BC	British Columbia
NT	Northwest Territories
ΥT	Yukon Territory
NU	Nunavut

# Description of the Drywall Finisher and Plasterer Trade

"Drywall Finisher and Plasterer" is this trade's official Red Seal occupational title approved by the CCDA. This standard covers tasks performed by drywall finishers and plasterers.

Drywall finishers and plasterers prepare surfaces, tape and finish drywall. They apply, maintain and restore plaster and similar materials on interior and exterior walls, ceilings and building partitions to make them more decorative, soundproof and fire-rated. Drywall finishers and plasterers inspect and prepare the surface. They apply tape to fire-rate and gas-proof walls and prevent drafts. They install beads to protect corners, fill joints and imperfections, mix and apply compound, and sand to create a smooth surface.

Drywall finishers and plasterers may repair or restore plastered surfaces, and textured drywall. They may also repair and restore mouldings.

Drywall finishers and plasterers work in the construction industry, largely in the institutional, commercial and residential sectors. They may be employed by drywall finishing contractors or be self-employed.

Drywall finishers and plasterers use a wide variety of hand, power, and layout and measuring tools. They mix compounds and fast-setting materials using electrical mixers. They may apply tape using automatic taping tools or hand tools such as hawks, trowels and taping knives. Drywall finishers and plasterers occasionally texture walls and ceilings using power compressors. Measuring tools are used to lay out the location of mouldings and ornaments on walls and ceilings. Access equipment such as scaffolding, ladders and scissor lifts are used for hard-to-reach areas.

Drywall finishers and plasterers may practice the full scope of the trade or specialize. Many work indoors on new construction sites while others work on older buildings doing repairs or renovations. They often work at heights, in noisy and dusty conditions, and alongside other trades.

Key attributes for people entering this trade include physical endurance, flexibility and strength as the work requires a lot of standing, bending and lifting. Manual dexterity and good eye-hand coordination are necessary as are good vision and spatial perception. The ability to estimate and calculate size and dimensions is important and an artistic aptitude is helpful in restorative work. Attention to detail, problem solving and job planning skills are also important attributes.

This standard recognizes similarities or overlaps with the work of bricklayers, painters and decorators, lathers (interior systems mechanics), concrete finishers and carpenters.

Experienced drywall finishers and plasterers may advance to supervisory and mentorship positions or other related areas such as construction management, instruction and inspection.

# Trends in the Drywall Finisher and Plasterer Trade

### Health and Safety

The use of PPE such as respirators and masks are required on the job by companies to avoid health problems.

### **Tools and Equipment**

There have been some advances in the tools which drywall finishers and plasterers use. For example, automatic taping tools and machines make the process of taping more efficient.

### **Products/Materials**

New compound options with better adhesive properties are being introduced that can make applications easier since they are lighter, more ergonomic and fast-setting. There are options for new tape materials that improve embedding, and these require careful application. There are new drywall materials, such as impact-resistant and fibre mat.

### Other

The work environment where drywall is finished is very important. Heating the work environment can be necessary for proper application of tape and compounds. Air circulation is also a factor to be considered for drying and curing time.

# **Skills for Success Summary**

Skills for Success are needed in a quickly changing world for work, learning and life. They are foundational for building other skills and important for effective social interaction. Everyone benefits from having these skills as they help individuals get a job, progress at their current job and change jobs. They also help individuals become active members of their community and succeed in learning.

Through extensive research and consultations, the Government of Canada launched the new Skills for Success model renewing the previous Essential Skills framework to better reflect the needs of the current and future labour market.

The application of these skills may be described throughout this document within the skills and knowledge which support each sub-task of the trade. The following are summaries of the requirements in each of the Skills for Success.

# Adaptability

Strong adaptability skills help drywall finishers and plasterers deal effectively with change and to learn new skills and behaviours when needed, stay focused on their responsibilities and goals, and not give up when situations are difficult. Drywall finishers and plasterers use this skill to change work plans to meet new deadlines, learn how to work with new tools and improve their skills through feedback. These skills help them stay positive and manage the stress that can come from changes in the workplace.

# Collaboration

Modern workplaces are more diverse, and drywall finishers and plasterers may often work with other tradespeople from different backgrounds and cultures to complete tasks and solve problems. It is important to be able to work respectfully with people who have different professions, experiences, cultures, and backgrounds.

Collaboration skills help drywall finishers and plasterers perform better in a team by understanding how to support and value others, manage difficult interactions and contribute to the team's work. Strong collaboration skills help drywall finishers and plasterers build and maintain positive relationships with others at work.

# **Communication**

Some tasks performed by drywall finishers and plasterers require communication skills, including discussing safety issues, work schedules, modifications, materials and equipment with supervisors, contractors, inspectors, building managers, clients, suppliers and other tradespeople. Drywall finishers and plasterers may explain the fabrication, construction, installation and repair procedures to clients as well. They may also instruct others, such as an apprentice or a work crew, by explaining and demonstrating procedures. Communication skills are important for developing good working relationships with co-workers and clients, including those from different backgrounds and cultures.

# **Creativity and Innovation**

Creativity and innovation skills help drywall finishers and plasterers come up with new, unique, or "outside the box" ideas or to approach something differently than in the past. A curious mindset that finds inspiration from a broad range of experiences and perspectives helps develop creativity and innovation skills. With strong creativity and innovation skills, drywall finishers and plasterers can also support and inspire others to develop their own creativity and innovation.

# Digital

Drywall finishers and plasterers use digital devices such as tablets and smartphones to communicate with others, record job changes and daily activities, track job progress, order materials and perform Internet research.

# Numeracy

Numeracy skills are important in the everyday work of drywall finishers and plasterers. Mathematical skills are used in taking measurements. Drywall finishers and plasterers may create project timelines, calculating time requirements for tasks in the project. They may also calculate amounts for supplies.

# **Problem solving**

Drywall finishers and plasterers require problem solving skills to identify, analyze, propose solutions, and make decisions. The ability to think, make decisions, and solve problems effectively improves the way drywall finishers and plasterers carry out activities, and meet goals and deadlines at work.

# Reading

Drywall finishers and plasterers require reading skills to gather information from forms and labels. They also need to read to understand more complex texts such as equipment and policy and procedure manuals, specifications and safety regulations. They read bulletins and brochures from suppliers describing new products and technologies.

# Writing

Writing skills are used by drywall finishers and plasterers to write notes to themselves to record information, such as a personal log of what work was completed on a given day. They may also write notes to supervisors requesting more information or materials or write notes summarizing discussions and decisions at a weekly toolbox or safety meeting. They may also need to complete documents such as incident reports.

# Roles and Opportunities for Skilled Trades in a Sustainable Future

Climate change affects all of us. Trades play a large role in implementing solutions and adjusting to changes in the world.

Throughout this standard, there may be specific references to tasks, skills and knowledge that clearly show this trade's role in a more sustainable future. Each trade has different roles to play and contributions to make in their own way.

For example:

- Construction tradespeople need to consider the materials they are using, building methods, and improvements to mechanical and electrical installations. There are important changes to codes and standards to help meet the climate change goals and commitments set for 2030 and 2050. Retrofits and new construction of low-energy buildings provide enormous opportunities for workers in this sector. Concepts, such as energy efficiency and regarding buildings as systems are foundational.
- Automotive and mechanical trades are seeing a shift towards the electrification of vehicles and equipment. As a result, new skills and knowledge will be required for tradespeople working in this sector. There are mandates for sales of new light-duty zero-emission vehicles (ZEV) in Canada, with the goal of achieving 100% ZEV sales by 2035. Due to this mandate, the demand for these vehicles is growing quickly among consumers and fleets. With this escalating demand, the need for skilled workers to maintain and repair these vehicles is also increasing.
- In industrial and resource sectors, there is pressure to move towards increased electrification of industrial processes. Many industrial and commercial facilities are also being upgraded to improve energy efficiency in areas such as lighting systems, and new production processes and technologies. There are also opportunities in carbon capture, utilization and storage (CCUS), as well as the production and export of low-carbon hydrogen.
- Trades in the service sector may also need to be aware of responsible sourcing, as well as efficient use of products and materials. New ways of working better are always a part of the job.

There are fast-moving changes in guidelines, codes, regulations and specifications. Many are being implemented for the purpose of energy efficiency and climate change. Those that affect specific trades may be mentioned within the standard. Examples of these guidelines and legislation include:

- The National Energy Code of Canada for Buildings (NECB).
- The Canadian Net-Zero Emissions Accountability Act (CNZEAA).
- programs that encourage sustainable building design and construction such as Leadership in Energy and Environmental Design (LEED) and the Zero Carbon Building (ZCB) standards.
- the Montreal Protocol for phasing out R22 refrigerants.
- energy efficiency programs such as ENERGY STAR.
- principles of the United Nations Declaration for the Rights of Indigenous Peoples pertaining to energy sector development.

Apprentices and tradespeople need to increase their climate literacy and reinforce their own understanding of energy issues and environmental practices. It is important for them to understand why these changes are happening and their effect on trades' work. While individual tradespeople and apprentices may not be able to choose certain elements like; the architectural design of buildings, building material selection, regulatory requirements, use of electric vehicles and technologies, they must understand the impact of using these elements in their work. Impacts include using environmentally friendly products and following requirements related to the disposal and recycling of materials.

In apprenticeship, as well as in ongoing professional development, employers and instructors should encourage learning about these concepts, why they are important, how they are implemented, and the overarching targets they are aiming to achieve.

All in all, it's about doing the work better and building a better world.

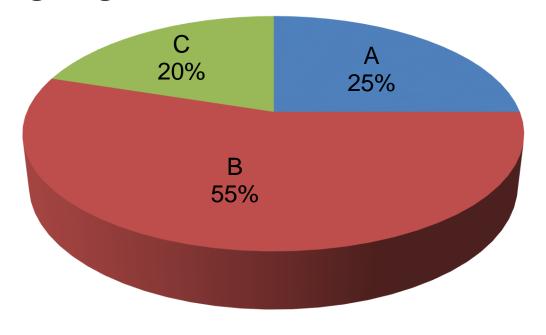
# **Industry Expected Performance**

All tasks must be performed according to the applicable jurisdictional codes. All health and safety standards must be respected and observed. Work should be performed efficiently and to a high quality without material waste or environmental damage. All requirements of employers, supervisors, engineers, designers, manufacturers, clients and quality control policies must be met. At a journeyperson level of performance, all tasks must be done with minimal direction and supervision. As a journeyperson progresses in their career there is an expectation they continue to upgrade their skills and knowledge to maintain pace with industry and promote continuous learning in their trade through mentoring of apprentices.

# Language Requirements

It is expected that journeypersons are able to understand and communicate in either English or French, which are Canada's official languages. English or French are the common languages of business as well as languages of instruction in apprenticeship programs.

# Pie Chart of Red Seal Examination Weightings



MWA A	Performs common occupational skills	25%
MWA B	Prepares, tapes and finishes drywall	55%
MWA C	Performs repairs and restorations	20%

This pie chart represents a breakdown of the interprovincial Red Seal examination. Percentages are based on the collective input from workers from the trade from across Canada. The Task Matrix on the next pages indicates the breakdown of tasks and sub-tasks within each Major Work Activity and the breakdown of questions assigned to the Tasks. The Interprovincial examination for this trade has 100 questions.

# Drywall Finisher and Plasterer Task Matrix and Weightings

# A – Performs common occupational skills

#### Task A-1 A-1.02 Uses personal A-1.01 Maintains safe work environment protective equipment (PPE) Performs safety-related functions and safety equipment 7% Task A-2 A-2.01 Uses access and lifting A-2.02 Maintains tools and equipment equipment Uses and maintains tools and equipment 5% Task A-3 A-3.01 Handles materials A-3.02 Plans project A-3.03 Prepares worksite Performs common work practices and procedures 11% A-3.06 Cleans premises after A-3.04 Inspects surfaces A-3.05 Mixes compounds job completion A-3.07 Verifies work completed Task A-4 A-4.01 Uses communication A-4.02 Uses mentoring techniques techniques Uses communication and mentoring techniques 2%

# 25%

# **B** – Prepares, tapes and finishes drywall

Task B-5 Prepares for taping 3%	B-5.01 Prepares drywall surface	B-5.02 Pre-fills drywall	
Task B-6 Tapes drywall 23%	B-6.01 Tapes to fire-rate (fire- proof) and gas-proof (smoke- seal) surfaces	B-6.02 Embeds tape	B-6.03 Installs beads and trim
	B-6.04 Applies multiple coats of compound manually	B-6.05 Applies coats of compound using automatic taping tools	B-6.06 Scuff-sands between coats
Task B-7 Finishes drywall 19%	B-7.01 Applies level 5 finish	B-7.02 Performs touch-ups	B-7.03 Performs final sanding
	B-7.04 Performs wet sanding		

# **C** – Performs repairs and restorations

# Task C-8 Troubleshoots problems Image: State of the state of t

C-8.01 Determines cause of problem	C-8.02 Determines type of repair	
C-9.01 Seals surfaces and stains	C-9.02 Repairs drywall	
C-10.01 Repairs plastered surfaces	C-10.02 Restores textured surfaces	C-10.03 Restores mouldings

20%

55%

4%

# **Harmonization of Apprenticeship Training**

Provincial and territorial apprenticeship authorities are each responsible for their respective apprenticeship programs. In the spirit of continual improvement, and to facilitate mobility among apprentices in Canada, participating authorities have agreed to work towards harmonizing certain aspects of their programs where possible. After consulting with their stakeholders in the trade, they have reached consensus on the following elements. Note that implementation of these elements may vary from jurisdiction to jurisdiction, depending on their own circumstances. For more information on the implementation in any province and territory, please contact that jurisdiction's apprenticeship authority.

# 1. Trade Name

The official Red Seal name for this trade is Drywall Finisher and Plasterer.

# 2. Number of Levels of Apprenticeship

The number of levels of technical training recommended for this trade is one (1).

# **3. Total Training Hours**

The total hours of training, including both on-the-job and in-school training for this trade is 5400.

# 4. Sequencing Topics and Related Sub-tasks

The topic titles in the table below are placed in a column for each apprenticeship level for technical training. Each topic is accompanied by the sub-tasks and their reference number.

Level 1				
Safety-Related Functions				
1.01 Maintains safe work environment				
1.02 Uses personal protective equipment (PPE) and safety equipment				
Tools and Equipment				
2.01 Uses access and lifting equipment				
2.02 Maintains tools and equipment				
Common Work Practices and Procedures				
3.01 Handles materials				
3.02 Plans project				
3.03 Prepares worksite				
3.04 Inspects surfaces				
3.05 Mixes compounds				
3.06 Cleans premises after job completion				
3.07 Verifies work completed				
Communication and Mentoring				
4.01 Uses communication techniques				
4.02 Uses mentoring techniques				
Prepares for Taping				
5.01 Prepares drywall surface				
5.02 Pre-fills drywall				

Tapes Drywall			
6.01Tapes to fire-rate (fire-proof) and gas-proof (smoke-seal) surfaces			
6.02 Embeds tape			
6.03 Installs beads and trim			
6.04 Applies multiple coats of compound manually			
6.05 Applies coats of compound using automatic taping tools			
6.06 Scuff-sands between coats			
Finishes Drywall			
7.01 Applies level 5 finish			
7.02 Performs touch-ups			
7.03 Performs final sanding			
7.04 Performs wet sanding			
Troubleshooting			
8.01 Determines cause of problem			
8.02 Determines type of repair			
Repairs Taped Drywall Surfaces			
9.01 Seals surfaces and stains			
9.02 Repairs drywall			
Repairs Plastered Surfaces and Restores Textured Surfaces and Mouldings			
10.01 Repairs plastered surfaces			
10.02 Restores textured surfaces			
10.03 Restores mouldings			

# Major Work Activity A Performs common occupational skills

# **Task A-1 Performs safety-related functions**

# **Task Descriptor**

In order to be safe, drywall finishers and plasterers need to maintain a safe work environment, wear personal protective equipment (PPE) and know the location of and how to operate safety equipment.

# A-1.01 Maintains safe work environment

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Skills				
	Performance Criteria	Evidence of Attainment			
A-1.01.01P	identify, report and respond to worksite <i>hazards</i>	worksite <i>hazards</i> are identified, reported and responded to according to Occupational Health and Safety (OH&S) and company policies			
A-1.01.02P	perform safe work practices	safe work practices are performed according to OH&S and company policies			
A-1.01.03P	apply preventative fire safety precautions when working with flammable liquids or gases, and combustible materials	preventative fire safety precautions when working with flammable liquids or gases, and combustible materials are applied according to OH&S and company policies			
A-1.01.04P	perform good <i>housekeeping practices</i>	good <b>housekeeping practices</b> are performed according to OH&S and company policies			
A-1.01.05P	report injuries promptly and precisely, and apply first aid procedures	injuries are reported promptly and precisely, and first aid procedures are applied according to OH&S and company policies			
A-1.01.06P	become aware of evacuation routes and muster points	evacuation routes and designated muster points are known			
A-1.01.07P	interpret safety documentation	safety documentation is interpreted			
A-1.01.08P	wet sand when a dust-free environment is required	wet sanding is performed when a dust- free environment is required			
A-1.01.09P	attend toolbox talks and safety meetings	toolbox talks and safety meetings are attended			

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

*safe work practices* include: staying inside guards and barricades, wearing required clothing (not loose or torn), gathering/securing long hair, removing jewellery, wearing PPE, being aware of first aid station location

*housekeeping practices* include: cleaning up spills or leaks; keeping work area clean and clear of obstructions; storing tools, equipment and materials in a designated location

*safety documentation* includes: Safety Data Sheets (SDS), Workplace Hazardous Materials Information System (WHMIS) labels, emergency contacts and information, company policies, onsite orientation packages, logbooks and sign-in sheets

	Knowledge				
	Learning Outcomes	Learning Objectives			
A-1.01.01L	demonstrate knowledge of <i>safe work practices</i> and procedures	describe <i>safe work practices</i> , procedures and equipment			
		describe <i>unsafe work practices</i> and associated risks			
		identify potential <i>hazards</i> and ways to control and handle them			
		describe good housekeeping practices			
		interpret information pertaining to <i>safety</i> documentation			
		describe first aid practices			
		describe safe lifting techniques when unloading equipment and materials			
		describe importance of knowing evacuation routes and muster points			
A-1.01.02L	demonstrate knowledge of training and certification requirements pertaining to safety	identify <i>training requirements</i> and certification requirements pertaining to safety			
A-1.01.03L	demonstrate knowledge of regulatory requirements pertaining to safety	identify workplace safety and health regulations			

# **Range of Variables**

*safe work practices* include: staying inside guards and barricades, wearing required clothing (not loose or torn), gathering/securing long hair, removing jewellery, wearing PPE, being aware of first aid station location

**unsafe work practices** include: working under influence of drugs or alcohol; lack of sleep; working in a state of emotional/psychological distress; unsafe movement on scaffolding (surfing); using worn, damaged or defective power tools and equipment

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

*housekeeping practices* include: cleaning up spills or leaks; keeping work area clean and clear of obstructions; storing tools, equipment and materials in a designated location

*safety documentation* includes: Safety Data Sheets (SDS), Workplace Hazardous Materials Information System (WHMIS) labels, emergency contacts and information, company policies, onsite orientation packages, logbooks and sign-in sheets

*training requirements* include: fall protection, working at heights, power-elevated work platforms, confined space entry, material handling, use of power tools, WHMIS training, PPE training, stilts training, jurisdiction-specific safety training

*workplace safety and health regulations* include: WHMIS, OH&S, jurisdiction-specific health and safety regulations

# A-1.02 Uses personal protective equipment (PPE) and safety equipment

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Sk	ills
	Performance Criteria	Evidence of Attainment
A-1.02.01P	select and use <i>PPE</i> and <i>safety</i> equipment	<b>PPE</b> and <b>safety equipment</b> are selected and used according to job task, OH&S and company policies
A-1.02.02P	inspect and remove from service worn, damaged, expired and defective <b>PPE</b> and <b>safety equipment</b>	worn, damaged, expired and defective <b>PPE</b> and <b>safety equipment</b> are inspected and removed from service according to OH&S and company policies
A-1.02.03P	wear and adjust <b>PPE</b>	<b>PPE</b> is worn and adjusted to ensure fit and optimum protection according to OH&S and company policies
A-1.02.04P	maintain and store <b>PPE</b> and <b>safety</b> equipment	<b>PPE</b> and <b>safety equipment</b> are maintained and stored according to OH&S and company policies

# **Range of Variables**

**PPE** includes: body harnesses; head, eye, ear, respiratory, hand, foot and skin protection **safety equipment** includes: first aid supplies, fire extinguishers, barricades, signs, eye wash stations, high-visibility vests

	Kno	wledge
	Learning Outcomes	Learning Objectives
A-1.02.01L	demonstrate knowledge of <b>PPE</b> and <b>safety equipment</b> , their applications, limitations, maintenance, storage and procedures for use	identify types of <b>PPE</b> and <b>safety</b> <b>equipment</b> and describe their applications, limitations, maintenance, storage and procedures for use
		describe importance of expiry dates on PPE and safety equipment
A-1.02.02L	demonstrate knowledge of training and certification requirements pertaining to <b>PPE</b> and <b>safety equipment</b>	describe certification and training requirements for <b>PPE</b> and <b>safety</b> equipment
A-1.02.03L	demonstrate knowledge of regulatory requirements pertaining to <b>PPE</b> and <b>safety equipment</b>	describe <i>safety and health regulations</i> pertaining to the use of PPE and safety equipment

PPE includes: body harnesses; head, eye, ear, respiratory, hand, foot and skin protection

*safety equipment* includes: first aid supplies, fire extinguishers, barricades, signs, eye wash stations, high-visibility vests

safety and health regulations include: WHMIS, OH&S, jurisdiction-specific health and safety regulations

# Task A-2 Uses and maintains tools and equipment

# **Task Descriptor**

Drywall finishers and plasterers use access equipment to work at heights. They use lifting equipment to move materials. Proper maintenance of tools and equipment is important for safety and enables job tasks to be completed as intended.

# A-2.01 Uses access and lifting equipment

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Sk	kills
	Performance Criteria	Evidence of Attainment
A-2.01.01P	select and use <i>access equipment</i>	<i>access equipment</i> is selected and used according to job task, manufacturers' specifications and jurisdictional regulations
A-2.01.02P	perform pre-operational checks of <i>access</i> <i>equipment</i>	pre-operational checks of <i>access</i> <i>equipment</i> are performed to ensure that guards and safety devices are in place, secured, not damaged, and in compliance with OH&S and company policies
A-2.01.03P	select and use <i>lifting equipment</i>	<i>lifting equipment</i> is selected and used according to job task, manufacturers' specifications and jurisdictional regulations
A-2.01.04P	operate lifting equipment	<i>lifting equipment</i> is operated according to OH&S and company policies
A-2.01.05P	inspect and identify worn, damaged and defective <i>access</i> and <i>lifting equipment</i> , and remove from service	worn, damaged and defective <i>access</i> and <i>lifting equipment</i> is identified and removed from service according to manufacturers' specifications, jurisdictional regulations and company policies
A-2.01.06P	establish solid and level footing for access equipment	solid and level footing for <i>access</i> <i>equipment</i> is established
A-2.01.07P	identify <i>hazards</i> when erecting <i>access</i> <i>equipment</i>	<i>hazards</i> are identified according to site conditions
A-2.01.08P	set up and erect <i>access equipment</i>	<i>access equipment</i> is set up and erected according to OH&S and jurisdictional regulations
A-2.01.09P	clean, maintain and store <i>access</i> <i>equipment</i>	<i>access equipment</i> is kept clean, maintained and stored according to manufacturers' specifications and company policies

*access equipment* includes: ladders, rolling scaffolds, motorized lifts, step ladders, scaffolding, stilts *lifting equipment* includes: dollies, pallet jacks, scaffolding

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards, power lines

	Knov	vledge
	Learning Outcomes	Learning Objectives
A-2.01.01L	demonstrate knowledge of <i>access</i> <i>equipment</i> , its applications, limitations, maintenance and storage	identify types of <i>access equipment</i> , and describe their applications, limitations, maintenance and storage
A-2.01.02L	demonstrate knowledge of procedures to use and operate <i>access equipment</i>	identify <i>hazards</i> and describe safe work practices and procedures
		describe procedures to use and operate access equipment
		describe procedures to inspect <i>access</i> <i>equipment</i>
		describe procedures to perform pre- operational checks for <i>access equipment</i>
		describe safe angles of ladders
		describe three-point contact rule
		describe importance of being aware of worksite surroundings
A-2.01.03L	demonstrate knowledge of <i>lifting</i> <i>equipment</i> , its applications, limitations, maintenance and storage	identify types of <i>lifting equipment</i> , and describe their applications, limitations, maintenance and storage
A-2.01.04L	demonstrate knowledge of procedures to use and operate <i>lifting equipment</i>	identify <i>hazards</i> and describe safe work practices and procedures to use and operate <i>lifting equipment</i>
		describe procedures to use and operate <i>lifting equipment</i>
		describe procedures to perform pre- operational checks for <i>lifting equipment</i>
A-2.01.05L	demonstrate knowledge of training requirements pertaining to <i>access</i> and <i>lifting equipment</i>	identify training requirements pertaining to <i>access</i> and <i>lifting equipment</i>
A-2.01.06L	demonstrate knowledge of regulatory requirements to use <i>access</i> and <i>lifting</i> <i>equipment</i>	identify and interpret regulations pertaining to <i>access</i> and <i>lifting equipment</i>

*access equipment* includes: ladders, rolling scaffolds, motorized lifts, step ladders, scaffolding, stilts *hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards, power lines

*worksite surroundings* include: uneven surfaces, overhead hazards, drop-offs *lifting equipment* includes: dollies, pallet jacks, scaffolding

# A-2.02 Maintains tools and equipment

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Sk	kills
	Performance Criteria	Evidence of Attainment
A-2.02.01P	inspect and identify worn, <i>damaged</i> and defective <i>tools and equipment</i> , and remove from service	worn, <b>damaged</b> and defective <b>tools and</b> <b>equipment</b> are removed from service according to jurisdictional regulations and company policies
A-2.02.02P	clean and dry <i>tools and equipment</i> before storing	<i>tools and equipment</i> are cleaned and dried before storing according to manufacturers' specifications and company policies
A-2.02.03P	lubricate tools and equipment	tools and equipment are lubricated according to manufacturers' specifications
A-2.02.04P	adjust tools and equipment	tools and equipment are adjusted according to job task
A-2.02.05P	remove nicks from edges of tools	nicks from edges of tools are removed
A-2.02.06P	store <i>tools and equipment</i> in designated areas	<i>tools and equipment</i> are stored in designated areas according to company policies

### **Range of Variables**

*damage* includes: wear and tear, rust, missing or broken components *tools and equipment* include: see Appendix B

	Клом	vledge
	Learning Outcomes	Learning Objectives
A-2.02.01L	demonstrate knowledge of <i>tools and equipment</i> , their characteristics and applications	identify <b>tools and equipment</b> , and describe their characteristics and applications
A-2.02.02L	demonstrate knowledge of procedures to use <b>tools and equipment</b>	describe procedures for use of <i>tools and</i> equipment
		identify <i>hazards</i> and describe safe work practices pertaining to use of <i>tools and equipment</i>
		describe procedures to inspect <i>tools and</i> equipment for damage
		describe procedures to maintain <i>tools</i> and equipment
		describe procedures to dispose of <i>tools</i> and equipment
		describe procedures to store <b>tools and</b> equipment

tools and equipment include: see Appendix B

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, power lines, pinch points, poor housekeeping, overhead hazards

damage includes: wear and tear, rust, missing or broken components

# **Task A-3 Performs common work practices and procedures**

# **Task Descriptor**

Drywall finishers and plasterers perform common work practices and procedures such as handling and mixing materials, planning projects, preparing worksites, verifying work completed and practicing good housekeeping.

# A-3.01 Handles materials

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Sk	ills
	Performance Criteria	Evidence of Attainment
A-3.01.01P	verify that products delivered match purchase order	products delivered match purchase order and are delivered on schedule according to worksite conditions
A-3.01.02P	organize <i>materials</i>	<i>materials</i> are organized according to worksite conditions
A-3.01.03P	place <i>materials</i> on elevated and contaminant-free surfaces	<i>materials</i> are placed on elevated and contaminant-free surfaces
A-3.01.04P	cover and protect materials while working	<i>materials</i> are covered and protected while working
A-3.01.05P	store <i>materials</i> in secure designated locations for duration of project	<i>materials</i> are stored in secure designated locations for duration of project according to <i>manufacturers' specifications</i> and job specifications
A-3.01.06P	move <i>material</i> using <i>equipment</i>	<i>material</i> is moved using <i>equipment</i> according to worksite conditions
A-3.01.07P	salvage surplus <i>materials</i> for future use	surplus <i>materials</i> are salvaged for future use
A-3.01.08P	dispose of <b>materials</b> in <b>designated</b> containers	<i>materials</i> are disposed of in <i>designated containers</i>

# **Range of Variables**

*materials* include: compounds, beads, tape, sandpaper, sanding sponges, adhesives, fasteners *manufacturers' specifications* (for storage) include: climate control, humidity levels, away from wet surroundings, elevated off concrete, avoiding breaks in bags *equipment* includes: dollies, hand carts, scaffolds, pallet jacks *designated containers* include: recycling bins, garbage containers

	Knov	vledge
	Learning Outcomes	Learning Objectives
A-3.01.01L	demonstrate knowledge of <i>materials</i> , their characteristics and applications	identify types of <i>materials</i> , and describe their characteristics and applications
A-3.01.02L	demonstrate knowledge of procedures to handle <i>materials</i>	identify <i>equipment</i> used to handle <i>materials</i> , and describe their procedures for use
		identify <b>hazards</b> and describe safe work practices to handle <b>materials</b>
		describe procedures to handle materials
		describe procedures to organize <i>materials</i>
		describe procedures to store <i>materials</i>
		describe procedures to dispose of <i>materials</i>
		identify expired and contaminated materials
A-3.01.03L	demonstrate knowledge of training and certification requirements pertaining to handling of <i>materials</i>	identify training and certification requirements pertaining to handling of <i>materials</i>
A-3.01.04L	demonstrate knowledge of regulatory requirements pertaining to handling of <i>materials</i>	identify standards and regulations pertaining to handling of <i>materials</i>

*materials* include: compounds, beads, tape, sandpaper, sanding sponges, adhesives, fasteners *equipment* includes: dollies, hand carts, scaffolds, pallet jacks

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

# A-3.02

**Plans project** 

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Sł	kills
	Performance Criteria	Evidence of Attainment
A-3.02.01P	coordinate work with other trades	work with other trades is coordinated
A-3.02.02P	determine tools, equipment and materials required for project	tools, equipment and materials required for project are determined according to job task and industry practice
A-3.02.03P	estimate amount of time and materials required for task	amount of time and materials required for task is estimated according to industry standards
A-3.02.04P	determine sequence of operations	sequence of operations is determined

# **Range of Variables**

*other trades* include: painters and decorators, tilesetters, carpenters, construction electricians, refrigeration and air conditioning mechanics, floorcovering installers, plumbers, lathers (interior systems mechanics)

	Know	vledge		
	Learning Outcomes	Learning Objectives		
A-3.02.01L	demonstrate knowledge of procedures to plan projects	describe procedures to plan projects		
		identify <i>factors</i> that affect scheduling of work		
		identify impact of <i>factors</i> on timing and work sequence		
		describe sequence of operations and timing of procedures		
		describe procedures used to interpret plans and specifications		
A-3.02.02L	demonstrate knowledge of <i>mathematical</i> <i>calculations</i> required to estimate materials and supplies	calculate area and linear measurements		
		calculate material coverage		
		perform calculations using metric and imperial measurements		

*factors* include: site, weather and environmental conditions; work of other trades; material properties; public safety; accessibility to work area for conveyance of materials and equipment; pre-construction meetings; availability of materials and supplies

mathematical calculations include: surface area, linear measurement, quantity requirements

A-3.03 Prepares worksite

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Sk	kills
	Performance Criteria	Evidence of Attainment
A-3.03.01P	place <i>barriers</i> to cordon off work area	<i>barriers</i> are placed to cordon off work area according to jurisdictional regulations and company policies
A-3.03.02P	protect surrounding area from dust, overspray, drips and splatter	surrounding area is protected from dust, overspray, drips and splatter using polyethylene (plastic) or brown paper
A-3.03.03P	sweep and remove debris from work area and place in designated container	debris is swept and removed from work area and placed in designated container
A-3.03.04P	select and place lighting	lighting is selected and placed according to task and job conditions
A-3.03.05P	check that necessary tools, supplies and equipment are available	necessary tools, supplies and equipment are available
A-3.03.06P	select mixing area	mixing area is selected according to factors
A-3.03.07P	adjust temperature and humidity of site	temperature and humidity of site is adjusted using <b>equipment</b> to make conditions suitable for task

# **Range of Variables**

barriers include: caution tape, signage, cones, barricades

*factors* include: clean and in non-traffic area, free of obstacles, centrally located, ventilated, close to power supply

equipment includes: heaters, fans, dehumidifiers

	Knov	vledge
	Learning Outcomes	Learning Objectives
A-3.03.01L	demonstrate knowledge of procedures to prepare work site	identify tools and <b>equipment</b> used to prepare work site, and describe their procedures for use
		identify <i>hazards</i> and describe safe work practices to prepare work site
		describe procedures to prepare work site

equipment includes: heaters, fans, dehumidifiers

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

# A-3.04 Inspects surfaces

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	SI	kills
	Performance Criteria	Evidence of Attainment
A-3.04.01P	perform walk-through of work area	walk-through of work area is performed to determine if job is ready to start
A-3.04.02P	check drywall for <i>improper installation</i>	drywall is checked for <i>improper</i> <i>installation</i> according to material type and job requirements
A-3.04.03P	check corner bead and trim for <i>improper</i> installation	corner bead and trim are checked for <i>improper installation</i> according to corner bead type and job requirements
A-3.04.04P	check moisture and temperature levels of surfaces	moisture and temperature levels of surfaces are checked by touch
A-3.04.05P	identify and resolve <i>debris or</i> <i>contaminants</i> on wall	<i>debris or contaminants</i> on wall are identified and resolved before drywall finishing

# **Range of Variables**

*improper installation* (of drywall) includes: unusual screw patterns, depth of screws, loose drywall, scratches, dents, manufacturers' deficiencies

*improper installation* (of corner bead and trim) include: loose and misaligned joints, missing trim, insufficient and inadequate fasteners

debris or contaminants include: oils, chemicals, paints, mould, organic waste, water damage

	Клоч	vledge
	Learning Outcomes	Learning Objectives
A-3.04.01L	demonstrate knowledge of drywall, its characteristics and applications	identify <b>types of drywall</b> , and describe their characteristics and applications
A-3.04.02L	demonstrate knowledge of procedures to inspect surfaces	identify lighting requirements needed to inspect surfaces
		identify <i>hazards</i> and describe safe work practices to inspect surfaces
		describe procedures to inspect surfaces
		describe OH&S procedures for dealing with and reporting <i>issues</i>
A-3.04.03L	demonstrate knowledge of regulatory requirements pertaining to inspection of surfaces	identify standards and <i>regulations</i> pertaining to inspection of surfaces

*types of drywall* include: regular, mould-resistant (green board), fire-rated, acoustical (soundproof), waterproof, volatile organic compound-absorbing (VOC-absorbing), impact-resistant, fibre mat *hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

*issues* include: mould, water damage, fire damage, smoke damage *regulations* include: OH&S, WHMIS

# A-3.05 Mixes compounds

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	S	škills
	Performance Criteria	Evidence of Attainment
A-3.05.01P	select and use tools and equipment	tools and equipment are selected and used according to job task
A-3.05.02P	select container	container is selected according to quantity of <i>compounds</i> required
A-3.05.03P	select <i>compounds</i> to be mixed	<i>compounds</i> to be mixed are selected according to job specifications
A-3.05.04P	mix <i>compounds</i> with water to achieve required consistency	<i>compounds</i> are mixed with water to achieve required consistency according to industry standards
A-3.05.05P	wash containers and tools	containers and tools are washed using sponges, cloths and nylon brushes

*tools and equipment* include: mixing drills, paddles, buckets, sponges, mud mashers *compounds* include: pre-mixed, quick-set, all-purpose, Plaster of Paris

	Know	vledge
	Learning Outcomes	Learning Objectives
A-3.05.01L	demonstrate knowledge of <i>compounds</i> , their characteristics and applications	identify types of <b>compounds</b> , and describe their characteristics and applications
		interpret information pertaining to <i>compounds</i> found in manufacturers' and job specifications
		identify <i>containers</i> used for mixing and describe their characteristics and applications
A-3.05.02L	demonstrate knowledge of procedures to mix <i>compounds</i>	identify <i>tools and equipment</i> used to mix <i>compounds</i> , and describe their procedures for use
		identify <i>hazards</i> and describe safe work practices to mix <i>compounds</i>
		describe procedures to mix <i>compounds</i>
		identify suitable mixing areas
		describe <i>compound</i> consistencies when mixed for taping, loading and finishing

## **Range of Variables**

*compounds* include: pre-mixed, quick-set, all-purpose, Plaster of Paris *containers* include: 5-gallon pail, mud pan, board

*tools and equipment* include: mixing drills, paddles, buckets, sponges, mud mashers *hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

*suitable mixing areas* include: away from high traffic areas, close to power source, central location, close to water supply (if possible)

## A-3.06 Cleans premises after job completion

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Sk	tills
	Performance Criteria	Evidence of Attainment
A-3.06.01P	select and use tools and equipment	<i>tools and equipment</i> are selected and used according to job task
A-3.06.02P	apply dust control material	dust control material is applied according to job requirements and manufacturers' specifications
A-3.06.03P	sweep up work area and vacuum ledges, windowsills and electrical outlets	work area is swept, and ledges, windowsills and electrical outlets are vacuumed
A-3.06.04P	remove polyethylene (plastic), brown paper and masking tape	polyethylene (plastic), brown paper and masking tape are removed
A-3.06.05P	return <i>tools, equipment</i> and materials to their original location	tools, equipment and materials are returned to their original location
A-3.06.06P	dispose of debris in designated container	debris is disposed of in designated container

## **Range of Variables**

*tools and equipment* include: brooms, dustpans, industrial vacuums, floor scrapers, masks, garbage containers

	Клоч	vledge
	Learning Outcomes	Learning Objectives
A-3.06.01L	demonstrate knowledge of procedures to clean premises after job completion	identify <i>tools and equipment</i> used to clean premises, and describe their procedures for use
		identify <b>hazards</b> and describe safe work practices to clean premises
		describe procedures to clean premises
		describe procedures to dispose of debris
		describe good housekeeping procedures

## **Range of Variables**

*tools and equipment* include: brooms, dustpans, industrial vacuums, floor scrapers, masks, garbage containers

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

# A-3.07 Verifies work completed

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	SI	Skills							
	Performance Criteria	Evidence of Attainment							
A-3.07.01P	visually inspect walls and ceilings to identify <i>deficiencies</i>	walls and ceilings are visually inspected using a work light to identify <i>deficiencies</i>							
A-3.07.02P	verify repair and restoration is completed	repair and restoration work is completed according to industry standards and job requirements							

## **Range of Variables**

deficiencies include: over-sanding, unevenness, scratches, gouges, cracks, shrinkage

	Клоч	Knowledge						
	Learning Outcomes	Learning Objectives						
A-3.07.01L	demonstrate knowledge of procedures to verify work completed	identify lighting requirements needed to verify work completed						
		identify <b>hazards</b> and describe safe work practices to verify work completed						
		describe procedures to verify work completed						

#### **Range of Variables**

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

# **Task A-4 Uses communication and mentoring techniques**

# **Task Descriptor**

Learning in the trades is done primarily in the workplace with tradespeople passing on their skills and knowledge to apprentices, as well as sharing knowledge among themselves. Apprenticeship is, and always has been about mentoring – learning workplace skills and passing them on. Because of the importance of this to the trade, this task covers the activities related to communication in the workplace and mentoring skills.

## A-4.01 Uses communication techniques

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Sł	kills
	Performance Criteria	Evidence of Attainment
A-4.01.01P	demonstrate communication practices with individuals or in a group	instructions and messages are interpreted by all parties involved in communication
A-4.01.02P	listen using <i>active listening</i> practices	active listening practices are utilized
A-4.01.03P	speak clearly using correct industry terminology to ensure understanding	understanding of message is confirmed by both parties
A-4.01.04P	receive and respond to instructions	response to instructions indicates understanding
A-4.01.05P	receive and respond to feedback on work completed or performed	response to feedback indicates understanding and corrective measures are taken
A-4.01.06P	explain and provide feedback	explanation and feedback is provided and task is carried out as directed
A-4.01.07P	communicate understanding and comfort level in performing trade tasks	opportunities for practice and gradual exposure to new tasks is offered and understanding is confirmed
A-4.01.08P	use questions to improve communication	questions enhance understanding, on-the-job training and goal setting
A-4.01.09P	participate in safety and information meetings	meetings are attended, information is relayed to workforce, and is applied
A-4.01.10P	send and receive <i>electronic messages</i>	<i>electronic messages</i> are sent and received using professionalism, plain language and clear expressions according to company policy

#### **Range of Variables**

*active listening* includes: hearing, interpreting, reflecting, responding, paraphrasing *electronic messages* include: email, text messages, telephone

	Kn	owledge
	Learning Outcomes	Learning Objectives
A-4.01.01L	demonstrate knowledge of trade terminology	define terminology used in trade
A-4.01.02L	demonstrate knowledge of effective communication practices	describe importance of using effective verbal and non-verbal communication with <b>people in the workplace</b>
		describe importance of teamwork
		identify <b>sources of information</b> to effectively communicate
		identify communication and <i>learning</i> styles
		describe effective listening and speaking skills
		describe how to receive and give instructions effectively
		identify <b>personal responsibilities and</b> <b>attitudes</b> that contribute to on-the-job success
		identify value of equity, diversity and inclusion in workplace
		identify communication that constitutes bullying, <i>harassment</i> and <i>discrimination</i>
		identify communication styles appropriate to different systems and applications of <i>electronic messages</i>

*people in the workplace* include: other tradespeople, colleagues, apprentices, supervisors, clients, jurisdictional representatives, manufacturers, office administrators

*sources of information* include: regulations, codes, OH&S requirements, jurisdictional requirements, prints, drawings, specifications, company and client documentation

learning styles include: visual, auditory, kinesthetic

*personal responsibilities and attitudes* include: asking questions, working safely, accepting constructive feedback, time management and punctuality, respect for authority, good stewardship of materials, tools and property, efficient work practice

harassment: as defined by the Canadian and jurisdictional Human Rights Commissions

*discrimination*: as defined by the Canadian Human Rights Act and jurisdictional human rights laws *electronic messages* include: email, text messages, telephone

# A-4.02

# Uses mentoring techniques

NL	NS	PE	NB	QC	ON	MB	SK	K AB BC NT YT		NU			
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND	
			Der	(ormon)	ce Criter	ie	Skil	Evidence of Attainment					
A-4.02	010	idor	ntify and			apprenti							
A-4.02			sons	commu		Jecuves		objective			rexplain		
A-4.02	02.02P link lesson to other lessons and project							lesson o opportur				ning	
A-4.02	-4.02.03P demonstrate performance of a skill to an apprentice or learner							steps re are perfo		to demo	onstrate	a skill	
A-4.02	2.04P	set up conditions required for apprentice or learner to practice a skill							<i>practice conditions</i> are set up so that skill can be practiced safely by apprentice or learner				
A-4.02	2.05P	learner feels comfortable communicating learner							conditions are such that apprentice or learner feels comfortable communicating and asking questions				
A-4.02	2.06P	recognize and discuss multiple possible techniques for performing trade tasks and options that may be best for apprentice or learner						multiple possible techniques for performing trade tasks and options that may be best for apprentice or learner are recognized and discussed					
A-4.02	2.07P	perf	ess appr form task ependen	s with ir				performance of apprentice or learner improves with practice to a point where task can be done with little supervision					
A-4.02	2.08P	give	e support	ive and	correctiv	ve feedba		apprentice or learner adopts best practice after supportive or corrective feedback is received					
A-4.02	-4.02.09P support apprentices or learners in pursuing technical training opportunities					ies	technica timefram authority	ne presci					
A-4.02	-4.02.10P support anti- <i>harassment</i> and anti- <i>discrimination</i> practices in workplace					workplac <i>discrim</i>			<b>it</b> and				
A-4.02	2.11P	<ul> <li>Support accommodations and alternate work practices that are appropriate for the apprentice or learner</li> </ul>						accomm practices apprenti	s that are	e approp	riate for	the	
A-4.02	4.02.12P assess apprentice or learner suitability to trade during probationary period						-	apprenti construc identify t weaknes	tive feec heir owr	back that strengt	at helps <sup>.</sup> hs and		

*steps required to demonstrate a skill* include: understanding who, what, where, when, why, and how, explaining, showing, giving encouragement, following up to ensure skill is performed correctly *practice conditions* mean: guided, limited independence, full independence

*harassment*: as defined by the Canadian and jurisdictional Human Rights Commissions *discrimination*: as defined by the Canadian Human Rights Act and jurisdictional human rights laws

	Кпо	wledge				
	Learning Outcomes	Learning Objectives				
A-4.02.01L	demonstrate knowledge of strategies for learning skills in workplace	describe importance of individual experience				
		describe shared responsibilities for workplace learning				
		determine one's own learning preferences and explain how these relate to learning new skills				
		describe importance of different types of skills in workplace				
		describe importance of <i>skills for success</i> (essential skills) in workplace				
		identify different <i>learning styles</i>				
		identify different <i>learning needs</i> and strategies to meet them				
		identify strategies to assist in learning a skill				
A-4.02.02L	demonstrate knowledge of strategies for <i>teaching</i> workplace <i>skills</i>	identify different roles played by workplace mentor				
		describe <i>teaching skills</i>				
		explain importance of identifying objectives of lessons				
		identify how to choose a good time to present lesson				
		explain importance of linking lessons				
		identify context for learning skills				
		describe considerations in setting up opportunities for skill practice				
		explain importance of providing feedback				
		identify techniques for giving effective feedback				
		describe a skills assessment				
		identify methods of assessing progress				
		explain how to adapt lesson to different situations				

*skills for success (essential skills)* are: adaptability, collaboration, communication, creativity and innovation, digital, numeracy, problem solving, reading, writing

learning styles include: visual, auditory, kinesthetic

learning needs include: learning disabilities, learning preferences, language proficiency

*strategies to assist in learning a skill* include: understanding basic principles of instruction, developing coaching skills, being mature and patient, providing and welcoming feedback

*teaching skills* include: identifying objectives of lessons, linking lessons, demonstrating skill, providing practice, giving feedback, assessing skills and progress

# Major Work Activity B Prepares, tapes and finishes drywall

# Task B-5 Prepares for taping

# **Task Descriptor**

Drywall preparation involves correcting deficiencies in the drywall prior to taping and finishing.

# **B-5.01** Prepares drywall surface

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Sk	tills
	Performance Criteria	Evidence of Attainment
B-5.01.01P	select and use tools and equipment	tools and equipment are selected and used according to job task
B-5.01.02P	replace and tighten missing or loose <i>fasteners</i>	missing or loose <i>fasteners</i> are replaced and tightened
B-5.01.03P	remove drywall blisters and loose paper	drywall blisters and loose paper are removed
B-5.01.04P	trim and cut back outside corners and off- set angles	outside corners and off-set angles are trimmed and cut back level and plumb to accommodate beads and trim
B-5.01.05P	score frayed face paper at butt joints	frayed face paper is scored at butt joints to remove frays
B-5.01.06P	correct moisture and humidity issues	moisture and humidity issues are corrected using ventilation and heating equipment

# **Range of Variables**

*tools and equipment* include: screwdrivers, utility knives, hammers, scrapers, putty knives *fasteners* include: screws, nails, staples, adhesive

	Клоч	vledge
	Learning Outcomes	Learning Objectives
B-5.01.01L	demonstrate knowledge of drywall, its characteristics and applications	identify <i>types of drywall</i> , and describe their characteristics and applications
		interpret information pertaining to drywall found in manufacturers' and job specifications
B-5.01.02L	demonstrate knowledge of procedures to prepare drywall surfaces	identify <i>tools and equipment</i> used to prepare drywall surfaces, and describe their procedures for use
		identify <i>hazards</i> and describe safe work practices to prepare drywall surfaces
		describe procedures to prepare drywall surfaces
		identify types of drywall defects

*types of drywall* include: regular, mould-resistant (green board), fire-rated, acoustical (soundproof), waterproof, VOC-absorbing, impact-resistant, fibre mat

*tools and equipment* include: screwdrivers, utility knives, hammers, scrapers, putty knives *hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

*types of drywall defects* include: loose or missing fasteners, frayed face paper, unevenness, gaps in corners and joints, overspray, blisters, cracks, manufacturers' defects

# B-5.02 Pre-fills drywall

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

		Skills
	Performance Criteria	Evidence of Attainment
B-5.02.01P	select and use <i>tools and equipment</i>	tools and equipment are selected and used according to job task
B-5.02.02P	select filler for pre-fill applications	<i>filler for pre-fill applications</i> is selected according to industry standards, job specifications and manufacturers' specifications
B-5.02.03P	apply <i>filler for pre-fill applications</i> to pre-fill <i>areas</i>	<i>filler for pre-fill applications</i> is applied to pre-fill <i>areas</i> to provide a level base for subsequent layers of compound

tools and equipment include: taping knives, hawks, pans

*fillers for pre-fill applications* include: multiple setting-type compounds, gauging plaster, Plaster of Paris *areas* include: damaged board, imperfections, gaps in butt joints, between factory edges, inside angles

	Клом	vledge
	Learning Outcomes	Learning Objectives
B-5.02.01L	demonstrate knowledge of <i>fillers for pre- fill applications</i> , their characteristics and applications	identify types of <i>fillers for pre-fill</i> <i>applications</i> , and describe their characteristics and applications
		interpret information pertaining to <i>fillers</i> <i>for pre-fill applications</i> found in manufacturers' and job specifications
B-5.02.02L	demonstrate knowledge of procedures to pre-fill drywall	identify <b>tools and equipment</b> used to pre-fill drywall, and describe their procedures for use
		identify <i>hazards</i> and describe safe work practices to pre-fill drywall
		identify <i>requirements</i> for pre-filling
		identify mixing ratio requirements for fillers for pre-fill applications
		describe procedures to apply <i>fillers for pre-fill applications</i> to drywall

## **Range of Variables**

*fillers for pre-fill applications* include: multiple setting-type compounds, gauging plaster, Plaster of Paris *tools and equipment* include: taping knives, hawks, pans

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

requirements include: gaps between sheets, job-specific requirements

# Task B-6 Tapes drywall

## **Task Descriptor**

Taping drywall involves embedding tape, applying multiple coats of compound, installing beads/trims and spotting/coating fasteners.

# **B-6.01** Tapes to fire-rate (fire-proof) and gas-proof (smoke-seal) surfaces

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

		Skills					
	Performance Criteria	Evidence of Attainment					
B-6.01.01P	select and use tools and equipment	tools and equipment are selected and used according to task					
B-6.01.02P	apply <b>compound</b> and <b>tape</b> to seal openings and prevent drafts	<b>compound</b> and <b>tape</b> are applied to seal openings and prevent drafts according to job specifications and building codes					

## **Range of Variables**

*tools and equipment* include: taping knives, hawks, pans, caulking guns, pneumatic spraying equipment for fire-stop systems, tape puller, hopper

compounds include: pre-mix, all-purpose

tapes include: paper, fire-rated

	Knov	vledge
	Learning Outcomes	Learning Objectives
B-6.01.01L	demonstrate knowledge of <i>tapes</i> and <i>compounds</i> , their characteristics and applications	identify types of <i>tapes</i> and <i>compounds</i> , and describe their characteristics and applications
		interpret information pertaining to <i>tapes</i> and <i>compounds</i> found in manufacturers' and job specifications
B-6.01.02L	demonstrate knowledge of procedures to apply <b>compound</b> and <b>tape</b> to fire-rate (fire-proof) and gas-proof (smoke-seal) surfaces	identify <b>tools and equipment</b> used to apply <b>compound</b> and <b>tape</b> to surfaces, and describe their procedures for use
		identify <i>hazards</i> , and describe safe work practices to apply <i>tape compound</i> , and tape surfaces
		describe hand taping methods
		describe machine taping methods

B-6.01.03L	demonstrate knowledge of training and certification requirements for fire-rating (fire-proofing) and gas-proofing (smoke- sealing) surfaces	identify training and certification requirements for fire-rating (fire-proofing) and gas-proofing (smoke-sealing) surfaces			
B-6.01.04L	demonstrate knowledge of regulatory requirements pertaining to fire-rating (fire- proofing) and gas-proofing (smoke- sealing) surfaces	identify codes, standards and regulations pertaining to fire-rating (fire-proofing) and gas-proofing (smoke-sealing) surfaces			

tapes include: paper, fire-rated

compounds include: pre-mix, all-purpose

*tools and equipment* include: taping knives, hawks, pans, caulking guns, pneumatic spraying equipment for fire-stop systems, tape puller, hopper

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

hand taping methods include: wet taping, dry taping

#### **B-6.02** Embeds tape

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

		Skills
	Performance Criteria	Evidence of Attainment
B-6.02.01P	select and use tools and equipment	tools and equipment are selected and used according to task
B-6.02.02P	perform wet taping procedures	wet taping procedures are performed according to job specifications
B-6.02.03P	perform dry taping procedures	dry taping procedures are performed according to job specifications

#### **Range of Variables**

*tools and equipment* include: taping knives, trowels, corner flushers, mud pan, hawks, automatic drywall taper (bazooka), banjos

*wet taping procedures* include: pulling wet tape, overlapping tape, placing tape on joints and corners by hand, running fingers down tape to position, using flusher for angles, wiping edges and joints with taping knife

*dry taping procedures* include: applying compound to both sides of angles, applying six-inch spread to flat joints, applying paper tape, overlapping tape, wiping off compound with taping knife

	Knowledge							
	Learning Outcomes	Learning Objectives						
B-6.02.01L	demonstrate knowledge of tapes and <i>compounds</i> , their characteristics and applications	identify types of <i>tapes</i> and <i>compounds</i> , and describe their characteristics and applications						
		interpret information pertaining to tapes and <i>compounds</i> found in manufacturers' and job specifications						
B-6.02.02L	demonstrate knowledge of procedures to embed tape	identify <b>tools and equipment</b> used to embed tape, and describe their procedures for use						
		identify <b>hazards</b> and describe safe work practices to embed tape						
		describe wet taping procedures						
		describe dry taping procedures						

compounds include: pre-mix, all-purpose, quick-set

tapes include: paper, mesh, fibre

*tools and equipment* include: taping knives, trowels, corner flushers, mud pan, hawks, automatic drywall taper (bazooka), banjos

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

*wet taping procedures* include: pulling wet tape, overlapping tape, placing tape on joints and corners by hand, running fingers down tape to position, using flusher for angles, wiping edges and joints with taping knife

*dry taping procedures* include: applying compound to both sides of angles, applying six-inch spread to flat joints, applying paper tape, overlapping tape, wiping off compound with taping knife

## **B-6.03** Installs beads and trim

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Skills						
	Performance Criteria	Evidence of Attainment					
B-6.03.01P	select and use <i>tools and equipment</i>	<i>tools and equipment</i> are selected and used according to task					
B-6.03.02P	select <i>beads</i> and <i>trim</i>	<i>beads</i> and <i>trim</i> are selected according to <i>application</i>					
B-6.03.03P	measure and cut <b>beads</b> and <b>trim</b> to length required for application	<i>beads</i> and <i>trim</i> are measured and cut to length required for <i>application</i>					

B-6.03.04P	install <b>beads</b> and <b>trim</b>	<i>beads</i> and <i>trim</i> are installed with <i>fasteners</i> and <i>adhesives</i>
B-6.03.05P	perform <i>inspection</i>	<i>inspection</i> is performed to achieve the fill according to industry standards

*tools and equipment* include: measuring tapes, snips, laser levels, chalk lines, staple guns *beads* include: metal, plastic, paper-faced metal trims (tape-on) *trim* includes: L trim, J trim, control joints

applications include: arches, windows, corners, irregular angles

fasteners include: nails, screws, staples

adhesives include: joint fillers, all-purpose fillers, compounds, spray glues

inspections include: verifying installation is straight, flush, tight, level and plumb, with adequate fasteners

	Knowledge							
	Learning Outcomes	Learning Objectives						
B-6.03.01L	demonstrate knowledge of <i>beads</i> and <i>trim</i> , their characteristics and applications	identify types of <i>beads</i> , and describe their characteristics and <i>applications</i>						
		identify types of <i>trim</i> , and describe their characteristics and <i>applications</i>						
		identify types of <i>fasteners</i> , and describe their characteristics and <i>applications</i>						
		identify types of <i>adhesives</i> , and describe their characteristics and <i>applications</i>						
B-6.03.02L	demonstrate knowledge of procedures to install <b>beads</b> and <b>trim</b>	identify <b>tools and equipment</b> used to install <b>beads</b> and <b>trim</b> , and describe their procedures for use						
		identify <i>hazards</i> , and describe safe work practices to install <i>beads</i> and <i>trim</i>						
		describe procedures to install <b>beads</b> and <b>trim</b> using <b>fasteners</b> and <b>adhesives</b>						
		describe procedures to perform <i>inspection</i> of <i>beads</i> and <i>trim</i>						

#### **Range of Variables**

beads include: metal, plastic, paper-faced metal trims (tape-on)

trim includes: L trim, J trim, control joints

applications include: arches, windows, corners, irregular angles

fasteners include: nails, screws, staples

adhesives include: joint fillers, all-purpose fillers, compounds, spray glues

tools and equipment include: measuring tapes, snips, laser levels, chalk lines, staple guns

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

inspections include: verifying installation is straight, flush, tight, level and plumb, with adequate fasteners

# B-6.04 A

Applies multiple coats of compound manually	Applies m	ultiple coats	of compound	d manually
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NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

		Skills							
	Performance Criteria	Evidence of Attainment							
B-6.04.01P	select and use <i>tools and equipment</i>	<i>tools and equipment</i> are selected and used according to task							
B-6.04.02P	apply progressive coats of compound over joints, angles, corner beads and fasteners	progressive coats of compound are applied with adequate consistency and width to cover tape and achieve a smooth and blemish-free surface							
B-6.04.03P	perform <i>sensory inspection</i>	sensory inspection is performed to ensure previous coat has dried before applying next coat							
B-6.04.04P	identify and correct <b>deficiencies</b> in drywall finish	<i>deficiencies</i> in drywall finish are identified and corrected							

#### **Range of Variables**

*tools and equipment* include: trowels, taping knives, hawk, mud pan *sensory inspection* includes: visual, touch *deficiencies* include: nicks, bubbles, cracks, shrinking

	Knov	vledge
	Learning Outcomes	Learning Objectives
B-6.04.01L	demonstrate knowledge of <i>compounds</i> , their characteristics and applications	identify types of <b>compounds</b> , and describe their characteristics and applications
		interpret information pertaining to <i>compounds</i> found in manufacturers' and job specifications
B-6.04.02L	demonstrate knowledge of procedures to apply multiple coats of <i>compound</i> manually	identify <i>tools and equipment</i> used to apply <i>compound</i> , and describe their procedures for use
		identify <i>hazards</i> and describe safe work practices to apply compound manually
		describe procedures to perform <b>sensory</b> <i>inspections</i> to determine dryness of compounds
		describe procedures to apply multiple coats of compound
		identify different <i>coats of compound</i> and their properties
		identify additives in <i>compounds</i> and their properties

identify wiping techniques
identify causes and solutions for deficiencies

*compounds* include: all-purpose, topping, light, dust control, taping (heavy), quick-set, Plaster of Paris *tools and equipment* include: trowels, taping knives, hawk, mud pan

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

sensory inspection includes: visual, touch

coats of compound include: first coat, second coat, third coat

wiping techniques include: three-way corner, feathering

deficiencies include: nicks, bubbles, cracks, shrinking

## **B-6.05** Applies coats of compound using automatic taping tools

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Skills							
	Performance Criteria	Evidence of Attainment						
B-6.05.01P	select and use tools and equipment	tools and equipment are selected and used according to task						
B-6.05.02P	apply progressive <i>coats of compound</i> over joints, angles, corner beads and fasteners	progressive <b>coats of compound</b> are applied with adequate consistency and width to cover tape until a smooth and blemish-free surface is achieved						
B-6.05.03P	complete feathering applications manually	feathering applications are completed manually in situations where automatic taping tools cannot reach, such as three- way corners						
B-6.05.04P	perform <b>sensory inspection</b>	sensory inspection is performed to ensure previous coat has dried before applying next coat						
B-6.05.05P	identify and correct <b>deficiencies</b> in drywall finish	<i>deficiencies</i> in drywall finish are identified and corrected						

## **Range of Variables**

*tools and equipment* include: finishing boxes, corner box, taping pump, nail spotter, continuous flow sprayer, syringe, taping knives

coats of compound include: first coat, second coat, third coat

sensory inspection includes: visual, touch

deficiencies include: nicks, bubbles, cracks, shrinking

	Know	vledge
	Learning Outcomes	Learning Objectives
B-6.05.01L	demonstrate knowledge of <i>compounds</i> , their characteristics and applications	identify types of <i>compounds</i> , and describe their characteristics and applications
		interpret information pertaining to <i>compounds</i> found in manufacturers' and job specifications
B-6.05.02L	demonstrate knowledge of procedures to apply multiple <i>coats of compound</i> using automatic taping tools	identify <b>tools and equipment</b> used to apply <b>compounds</b> , and describe their procedures for use
		identify <b>hazards</b> and describe safe work practices to apply compound using automatic taping tools
		describe procedures to perform <b>sensory</b> <i>inspections</i> to determine dryness of compounds
		describe procedures to apply multiple coats of compound
		identify different <i>coats of compound</i> and their properties
		identify additives in <i>compounds</i> and their properties
		identify wiping techniques
		identify causes and solutions for <i>deficiencies</i>

compounds include: all-purpose, machine

coats of compound include: first coat, second coat, third coat

*tools and equipment* include: finishing boxes, corner box, taping pump, nail spotter, continuous flow sprayer, syringe, taping knives

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

sensory inspection includes: visual, touch

wiping techniques include: three-way corner, feathering

deficiencies include: nicks, bubbles, cracks, shrinking

#### B-6.06

### **Scuff-sands between coats**

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	SI	kills
	Performance Criteria	Evidence of Attainment
B-6.06.01P	select and use tools and equipment	<i>tools and equipment</i> are selected and used according to task
B-6.06.02P	perform <b>sensory inspection</b> of surface	<i>sensory inspection</i> of surface is performed to ensure it is dry before commencing
B-6.06.03P	remove working lines (ridges and ripples)	working lines (ridges and ripples) are removed while avoiding damage to face paper of drywall

#### **Range of Variables**

tools and equipment include: pole sanders, work lights, sanding sponges, sandpaper of a coarser grit, sponge-back sandpaper, electric sander, mask

sensory inspection includes: visual, touch

	Know	vledge
	Learning Outcomes	Learning Objectives
B-6.06.01L	demonstrate knowledge of procedures to scuff-sand between coats	identify <b>tools and equipment</b> used to scuff-sand between coats, and describe their procedures for use
		identify <i>hazards</i> and describe safe work practices to scuff-sand between coats
		describe procedures and <b>techniques</b> to scuff-sand between coats
		describe procedures to perform <b>sensory</b> <i>inspection</i> of surfaces

#### **Range of Variables**

tools and equipment include: pole sanders, work lights, sanding sponges, sandpaper of a coarser grit, sponge-back sandpaper, electric sander, mask

hazards include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

techniques include: rough sanding, scraping with knife or trowel, using sanding sponge sensory inspection includes: visual, touch

# Task B-7 Finishes drywall

## **Task Descriptor**

Finishing drywall may involve applying a level 5 finish with skimming compound. The final step for finishing drywall is performing touch-ups and sanding.

# B-7.01 Applies level 5 finish

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Sk	kills
	Performance Criteria	Evidence of Attainment
B-7.01.01P	select and use <i>tools and equipment</i>	<i>tools and equipment</i> are selected and used according to task
B-7.01.02P	apply skimming compound mix to surface	skimming compound mix is applied to entire surface in a thin coat using <b>methods</b> according to job specifications to achieve a smooth and even surface
B-7.01.03P	perform visual inspection	visual inspection using light is performed to identify rough or uneven surfaces according to industry standards

# **Range of Variables**

*tools and equipment* include: airless sprayers, hawks, trowels, knives, paint rollers, work lights *methods* include: spraying, rolling, trowelling

	Know	vledge
	Learning Outcomes	Learning Objectives
B-7.01.01L	demonstrate knowledge of skimming compounds, their characteristics and applications	identify types of skimming compounds, and describe their characteristics and applications
		interpret information pertaining to skimming compounds found in manufacturers' and job specifications
B-7.01.02L	demonstrate knowledge of procedures to apply level 5 finish	identify <b>tools and equipment</b> used to apply level 5 finish, and describe their procedures for use
		identify <b>hazards</b> and describe safe work practices to apply level 5 finish
		describe <i>methods</i> to apply level 5 finish
B-7.01.03L	demonstrate knowledge of training requirements to apply level 5 finishes	identify training requirements to apply level 5 finishes

*tools and equipment* include: airless sprayers, hawks, trowels, knives, paint rollers, work lights *hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

methods include: spraying, rolling, trowelling

# **B-7.02** Performs touch-ups

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	SI	kills
	Performance Criteria	Evidence of Attainment
B-7.02.01P	select and use tools and equipment	<i>tools and equipment</i> are selected and used according to task
B-7.02.02P	perform <b>sensory inspection</b> and correct taping, sanding and compound problems	<i>taping, sanding and compound problems</i> are identified and corrected

## **Range of Variables**

*tools and equipment* include: work lights, taping knives, hawks, trowels, joint compound tint *sensory inspection* includes: visual, touch

*taping, sanding and compound problems* include: fisheyes, loose or bubbled tape, screw pops, loose screws, tears in tape, damage from sanding

	Know	vledge
	Learning Outcomes	Learning Objectives
B-7.02.01L	demonstrate knowledge of procedures to perform touch-ups	identify <b>tools and equipment</b> used to perform touch-ups, and describe their procedures for use
		identify <i>hazards</i> and describe safe work practices to perform touch-ups
		identify <i>taping, sanding and compound problems</i> found on surfaces
		describe procedures to perform touch-ups

*tools and equipment* include: work lights, taping knives, hawks, trowels, joint compound tint *hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

*taping, sanding and compound problems* include: fisheyes, loose or bubbled tape, screw pops, loose screws, tears in tape, damage from sanding

# **B-7.03** Performs final sanding

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	SI	kills
	Performance Criteria	Evidence of Attainment
B-7.03.01P	select and use tools and equipment	<i>tools and equipment</i> are selected and used according to task
B-7.03.02P	perform <b>sensory inspection</b> of surface	sensory inspection of surface is performed to ensure it is dry before commencing
B-7.03.03P	remove working lines	working lines are removed while avoiding damage to face paper to achieve a smooth surface ready for primer or sealer
B-7.03.04P	check for irregularities in surface	irregularities in surface are identified using a work light

#### **Range of Variables**

*tools and equipment* include: pole sanders, sanding sponges, work lights, sandpaper of a finer grit, electric sander, masks, respirators

sensory inspection includes: visual, touch

	Knov	vledge
	Learning Outcomes	Learning Objectives
B-7.03.01L	demonstrate knowledge of procedures to perform final sanding	identify <b>tools and equipment</b> used to perform final sanding, and describe their procedures for use
		identify <i>hazards</i> and describe safe work practices to perform final sanding
		describe procedures to perform final sanding
		describe procedures to inspect surfaces for dryness and irregularities

*tools and equipment* include: pole sanders, sanding sponges, work lights, sandpaper of a finer grit, electric sander, masks, respirators

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

#### **B-7.04** Performs wet sanding

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Sk	<b>tills</b>
	Performance Criteria	Evidence of Attainment
B-7.04.01P	select and use <b>tools, equipment and</b> <b>materials</b>	tools, equipment and materials are selected and used according to task
B-7.04.02P	perform <b>sensory inspection</b> of surface	sensory inspection of surface is performed to ensure compound is set before commencing
B-7.04.03P	wipe drywall compound with damp sponge to achieve a smooth and blended surface	drywall compound is wiped with a damp sponge to achieve a smooth and blended surface while maintaining a dust-free environment and avoiding water damage to face paper
B-7.04.04P	check for irregularities in surface	irregularities in surface are identified using a work light

#### **Range of Variables**

*tools, equipment and materials* include: work lights, sponges, bucket, water *sensory inspection* includes: visual, touch

	Knov	wledge				
	Learning Outcomes	Learning Objectives				
B-7.04.01L	demonstrate knowledge of procedures to wet sand surfaces	identify <i>tools, equipment and materials</i> used to wet sand surfaces, and describe their procedures for use				
		identify <i>hazards</i> and describe safe work practices to wet sand surfaces				
		describe procedures to wet sand surfaces				
		describe procedures to inspect compound setting and surface irregularities				

*tools, equipment and materials* include: work lights, sponges, bucket, water *hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

# Major Work Activity C Performs repairs and restorations

# **Task C-8 Troubleshoots problems**

# **Task Descriptor**

Drywall finishers and plasterers troubleshoot problems by identifying the root cause and determining types of repairs needed to restore surfaces to their original condition.

#### **C-8.01** Determines cause of problem

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Sk	tills
	Performance Criteria	Evidence of Attainment
C-8.01.01P	select and use tools and equipment	<i>tools and equipment</i> are selected and used according to task
C-8.01.02P	perform <b>sensory inspection</b> of surface	sensory inspection of surface is performed to identify problems and their root cause
C-8.01.03P	perform walk-around of site	walk-around of site is performed to identify structural problems that could cause interior or exterior damage
C-8.01.04P	assess moisture level of surrounding area and surface	moisture level of surrounding area and surface are assessed

## **Range of Variables**

tools and equipment include: moisture meter, work lights, access equipment

sensory inspection includes: visual, touch, smell

*problems* include: mould, screw pops, water damage, cracks, bubbles, blisters, holes, fire damage, smoke damage

*root cause of problems* include: roof truss up-lift, excess moisture, shrinkage, water leaks, manufacturers' defects, poor quality of work, electrical fire

	Know	vledge
	Learning Outcomes	Learning Objectives
C-8.01.01L	demonstrate knowledge of procedures to determine cause of <i>problem</i>	identify <b>tools and equipment</b> used to determine cause of <b>problem</b> , and describe their procedures for use
		identify <i>hazards</i> and describe safe work practices to determine cause of <i>problem</i>
		describe procedures to identify <b>problems</b> and their <b>root causes</b>
		describe procedures to perform <b>sensory</b> <i>inspection</i> of surfaces and sites
		describe procedures to assess moisture levels
C-8.01.02L	demonstrate knowledge of <i>training</i> <i>requirements</i> to assess <i>problems</i>	identify <b>training requirements</b> to assess <b>problems</b>

*problems* include: mould, screw pops, water damage, cracks, bubbles, blisters, holes, fire damage, smoke damage

tools and equipment include: moisture meter, work lights, access equipment

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

*root cause of problems* include: roof truss up-lift, excess moisture, shrinkage, water leaks, manufacturers' defects, poor quality of work, electrical fire

sensory inspection includes: visual, touch, smell

training requirements include: asbestos awareness, mould awareness

**C-8.02** Determines type of repair

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Sk	ills
	Performance Criteria	Evidence of Attainment
C-8.02.01P	identify location and extent of <i>root cause of problem</i> , and its impact on surface	location and extent of <i>root cause of problem</i> , and its impact on surface are identified
C-8.02.02P	determine if repair of <b>root cause of</b> <b>problem</b> is within scope of trade or that of another <b>trade</b>	repair of <i>root cause of problem</i> is determined to be within scope of trade or that of another <i>trade</i>

C-8.02.03P	determine scope of <i>drywall repair</i> required	scope of <i>drywall repair</i> required is determined
C-8.02.04P	advise supervisor of <b>root cause of</b> <b>problem</b> and <b>drywall <i>repairs</i> required</b>	supervisor is advised of <i>root cause of problem</i> and drywall <i>repairs</i> required

*root cause of problems* include: roof truss up-lift, excess moisture, shrinkage, water leaks, manufacturers' defects, poor quality of work, electrical fire *trades* include: plumbers, carpenters, insulators, electricians, glaziers *drywall repairs* include: cutting, patching, replacements

	Know	vledge			
	Learning Outcomes	Learning Objectives			
C-8.02.01L	demonstrate knowledge of <i>root cause of problems</i> and their characteristics	identify <b>root cause of problems</b> , and describe their characteristics			
		identify <b>basic building structures</b> , and describe their characteristics and applications			
C-8.02.02L	demonstrate knowledge of procedures to determine types of <i>drywall repairs</i>	identify <b>tools and equipment</b> used to determine types of <b>drywall repairs</b> , and describe their procedures for use			
		identify <i>hazards</i> and describe safe work practices to determine types of <i>drywall</i> <i>repairs</i>			
		describe procedures to determine types of drywall repairs			

# **Range of Variables**

*root cause of problems* include: roof truss up-lift, excess moisture, shrinkage, water leaks, manufacturers' defects, poor quality of work, electrical fire

*basic building structures* include: foundation, roof trusses, framing, ventilation, plumbing *drywall repairs* include: cutting, patching, replacements

tools and equipment include: measuring tape, utility knife, cut-out tools, work lights

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

# Task C-9 Repairs taped drywall surfaces

## **Task Descriptor**

Drywall finishers and plasterers repair and replace taped drywall surfaces to restore them to the original look.

# **C-9.01** Seals surfaces and stains

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Skills						
	Performance Criteria	Evidence of Attainment					
C-9.01.01P	select and use <i>tools and equipment</i>	<i>tools and equipment</i> are selected and used according to task					
C-9.01.02P	clean surface	surface is cleaned according to manufacturers' specifications and industry standards					
C-9.01.03P	apply stain blocking primer to stained surface	stain blocking primer is applied to stained surface according to manufacturers' specifications					
C-9.01.04P	apply sealer to surface	sealer is applied to surface according to manufacturers' specifications					

# **Range of Variables**

tools and equipment include: sprayers, brushes, rollers, gloves, eye protection, masks

	Knowledge						
	Learning Outcomes	Learning Objectives					
C-9.01.01L	demonstrate knowledge of sealers and stain blocking primers, their characteristics and applications	identify sealers and stain blocking primers, and describe their characteristics and applications					
		interpret information pertaining to sealers and stain blocking primers found in manufacturers' and job specifications					

C-9.01.02L	demonstrate knowledge of procedures to seal surface and stains	identify <b>tools and equipment</b> used to seal surfaces and stains, and describe their procedures for use
		identify <i>hazards</i> and describe safe work practices to seal surfaces and stains
		describe procedures to seal surfaces and stains
C-9.01.03L	demonstrate knowledge of regulatory requirements pertaining to using sealers and stain blocking primers	identify regulations pertaining to using sealers and stain blocking primers

*tools and equipment* include: sprayers, brushes, rollers, gloves, eye protection, masks *hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

# C-9.02 R

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	SI	kills
	Performance Criteria	Evidence of Attainment
C-9.02.01P	select and use <i>tools and equipment</i>	<i>tools and equipment</i> are selected and used according to task
C-9.02.02P	assess size of repair and need for a plug (patch) or backing	need for a plug (patch) or backing is assessed according to size of damage
C-9.02.03P	install <b>backing</b> to support new drywall	<i>backing</i> is installed to support new drywall
C-9.02.04P	install <b>fasteners</b> in drywall to hold it in place	<i>fasteners</i> are installed in drywall to hold it in place
C-9.02.05P	repair drywall <i>defects</i>	drywall <i>defects</i> are repaired with <i>compounds</i> , plugs (patches) and tape according to job requirements
C-9.02.06P	scrape and remove damaged compounds	damaged <i>compounds</i> are scraped and removed
C-9.02.07P	cut, remove and replace damaged surfaces and <i>materials</i>	damaged surfaces and <i>materials</i> are cut, removed and replaced
C-9.02.08P	install bead to drywall	bead is installed to drywall according to job requirements and manufacturers' specifications

*tools and equipment* include: staplers, knives, taping tools, sanders, drill, sanding sponge, joint compound tint

backing includes: wood, steel, u-bar, L-track

fasteners include: screws, nails, staples, adhesives

defects include: holes, cracks, gouges, torn face paper, water, mortar

compounds include: quick-set, Plaster of Paris, all-purpose

materials include: tape, corner beads, trim, plugs (patches), drywall, compound

	Knowledge						
	Learning Outcomes	Learning Objectives					
C-9.02.01L demonstrate knowledge of drywall repai <i>materials</i> , their characteristics and applications		identify drywall repair <i>materials</i> , and describe their characteristics and applications					
		identify backings used for drywall repair					
		interpret information pertaining to drywall repair <i>materials</i> found in manufacturers' and job specifications					
C-9.02.02L	demonstrate knowledge of procedures and techniques to repair drywall	identify <i>tools and equipment</i> used to repair drywall, and describe their procedures for use					
		identify <i>hazards</i> and describe safe work practices to repair drywall					
		describe procedures for keying surfaces before applying <i>compound</i>					
		describe procedures and techniques to repair drywall					

## **Range of Variables**

*materials* include: tape, corner beads, trim, plugs (patches), drywall, compound *backing* includes: wood, steel, u-bar, L-track

*tools and equipment* include: staplers, knives, taping tools, sanders, drill, sanding sponge, joint compound tint

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

compounds include: quick-set, Plaster of Paris, all-purpose

# Task C-10 Repairs plastered surfaces and restores textured surfaces and mouldings

## **Task Descriptor**

Drywall finishers and plasterers repair and restore plastered and textured surfaces to restore them to the original look. New installation of these materials is not common, but the repair and restoration of existing installations may still be required.

Drywall finishers and plasterers may restore old mouldings on historical buildings. Replacement mouldings are typically created by manufacturers and then installed by drywall finishers and plasterers.

## **C-10.01** Repairs plastered surfaces

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Sk	<b>tills</b>
	Performance Criteria	Evidence of Attainment
C-10.01.01P	select and use <i>tools and equipment</i>	<i>tools and equipment</i> are selected and used according to task
C-10.01.02P	identify <i>damages</i> to plastered surfaces	<i>damages</i> to plastered surfaces are identified
C-10.01.03P	apply fasteners to lath along crack	fasteners are applied to lath along crack
C-10.01.04P	select <i>materials</i>	<i>materials</i> are selected according to repair procedure
C-10.01.05P	cut and groove damaged area, and fill in cracks with <i>materials</i>	damaged area is cut (undercut) and grooved, and cracks are filled in with <b>materials</b> to bond surfaces together
C-10.01.06P	install paper tape or fibreglass mesh over damaged area	paper tape or fibreglass mesh is installed over damaged area
C-10.01.07P	install drywall plugs (patches) to replace damaged plaster area	drywall plugs (patches) are installed to replace damaged plaster area according to job requirements
C-10.01.08P	flat and level surface to prepare it for finish	surface is flattened and levelled to prepare it for finish

## **Range of Variables**

*tools and equipment* include: drills, mixers, hawks, trowels, darbies, putty knives, sanders, sanding sponges, work lights

damages include: cracks, holes, gouges

materials include: quick-set, Plaster of Paris

	Knowledge						
	Learning Outcomes	Learning Objectives					
C-10.01.01L	demonstrate knowledge of plaster repair <i>materials</i> , their characteristics and applications	identify plaster repair <i>materials</i> , and describe their characteristics and applications					
		interpret information pertaining to plaster repair <i>materials</i> found in manufacturers' and job specifications					
C-10.01.02L	demonstrate knowledge of procedures and techniques to repair plaster	identify <i>tools and equipment</i> used to repair plaster, and describe their procedures for use					
		identify <i>hazards</i> and describe safe work practices to repair plaster					
		describe procedures and techniques to repair plaster					

materials include: quick-set, Plaster of Paris

*tools and equipment* include: drills, mixers, hawks, trowels, darbies, putty knives, sanders, sanding sponges, work lights

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

# **C-10.02** Restores textured surfaces

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Skills							
	Performance Criteria	Evidence of Attainment						
C-10.02.01P	select and use <i>tools and equipment</i> for <i>textured surface</i> repair	<i>tools and equipment</i> are selected and used according to task						
C-10.02.02P	select <i>textured surface repair materials</i> to match existing surface	<i>textured surface repair materials</i> are selected to match existing surface						
C-10.02.03P	wet and scrape damaged <i>textured surfaces</i> and surrounding area	damaged <b>textured surfaces</b> and surrounding area are wet and scraped according to job requirements						
C-10.02.04P	cut and remove damaged area, and install new material	damaged area is cut and removed, and new material is installed according to job requirements						
C-10.02.05P	fill cracks, patch and tape damaged area	cracks are filled, and damaged area is patched and taped						
C-10.02.06P	trowel over damaged area with compound	damaged area is trowelled over with compound						

C-10.02.07P	level repairs to existing surface	repairs are levelled to existing surface
C-10.02.08P	seal and prime repaired area	repaired area is sealed and primed
C-10.02.09P	adjust consistency in stucco mixture	consistency in stucco mixture is adjusted according to existing texture
C-10.02.10P	match finish by hand or spraying	finish is matched by hand or spraying

*tools and equipment* include: floats, drills, hawks, stainless steel trowels, corner trowel, mixers, knives, hoppers, work lights, compressors, sprayers, scrapers, extension cords, polyethylene (plastic) sheeting, brown paper, painters' tape, staples, rollers, mixing barrels and buckets, hardhat, protective clothing, gloves, eye protection, masks

*textured surface repair materials* include: drywall, all-purpose compound, stucco, acoustic spray (styrene), perlite, mixed compound, tape, sealers

textured surfaces include: popcorn, orange peel, knock-down

	Knowledge				
	Learning Outcomes	Learning Objectives			
C-10.02.01L	demonstrate knowledge of <i>textured surface repair materials</i> , their characteristics and applications	identify <i>textured surface repair</i> <i>materials</i> , and describe their characteristics and applications			
		interpret information pertaining to <i>textured surface repair materials</i> found in manufacturers' and job specifications			
C-10.02.02L	demonstrate knowledge of procedures and techniques to repair textured surfaces	identify <b>tools and equipment</b> used to repair textured surfaces, and describe their procedures for use			
		identify <i>hazards</i> and describe safe work practices to repair textured surfaces			
		describe procedures and techniques to repair textured surfaces			
C-10.02.03L	demonstrate knowledge of regulatory requirements pertaining to the repair of textured surfaces	identify regulations pertaining to the repair of textured surfaces			

## **Range of Variables**

*textured surface repair materials* include: drywall, all-purpose compound, stucco, acoustic spray (styrene), perlite, mixed compound, tape, sealers

*tools and equipment* include: floats, drills, hawks, stainless steel trowels, corner trowel, mixers, knives, hoppers, work lights, compressors, sprayers, scrapers, extension cords, polyethylene (plastic) sheeting, brown paper, painters' tape, staples, rollers, mixing barrels and buckets, hardhat, protective clothing, gloves, eye protection, masks

*hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

# **C-10.03** Restores mouldings

NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	ΥT	NU
NV	NV	NV	ND	NV	yes	ND	ND	ND	yes	ND	ND	ND

	Skills			
	Performance Criteria	Evidence of Attainment		
C-10.03.01P	select and use <i>tools and equipment</i>	<i>tools and equipment</i> are selected and used according to task		
C-10.03.02P	remove old moulding	old moulding is removed by cutting and scraping surface according to job requirements		
C-10.03.03P	sand surface to smooth finish	surface is sanded to smooth finish		
C-10.03.04P	take measurements for replacement moulding and match to sample profile	measurements for replacement moulding are taken and matched to sample profile		
C-10.03.05P	place replacement moulding	replacement moulding is put in place matching joints and using all-purpose compound to fasten and all-set compound to finish		

## **Range of Variables**

*tools and equipment* include: brushes, mixers, drills, scrapers, sanders, sprayers, measuring tapes, trowels, sponges, mitre box, saws, circular saw, sanding sponges, modeling tools for moulding

	Knowledge			
	Learning Outcomes	Learning Objectives		
C-10.03.01L	demonstrate knowledge of mouldings, their characteristics and applications	identify types of mouldings, and describe their characteristics and applications		
C-10.03.02L	demonstrate knowledge of <i>materials</i> used to restore mouldings, their characteristics and applications	identify types of <i>materials</i> used to restore mouldings, and describe their characteristics and applications		
C-10.03.03L	demonstrate knowledge of procedures and techniques to restore mouldings	identify <i>tools and equipment</i> used to restore mouldings, and describe their procedures for use		
		identify <i>hazards</i> and describe safe work practices to restore mouldings		
		describe procedures and techniques to restore mouldings		
		describe procedures to prepare surfaces for re-installation of mouldings		

materials include: moulding plaster, quick-set, all-purpose, Plaster of Paris

*tools and equipment* include: brushes, mixers, drills, scrapers, sanders, sprayers, measuring tapes, trowels, sponges, mitre box, saws, circular saw, sanding sponges, modeling tools for moulding *hazards* include: sharp objects, electrical hazards, repetitive motion, heavy lifting, poor ergonomics, uneven surfaces, slippery surfaces, working at heights, hazardous materials, pinch points, poor housekeeping, overhead hazards

# Appendix A Acronyms

SDS	Safety Data Sheet
OH&S	Occupational Health and Safety
PPE	personal protective equipment
STC	sound transmission class
VOC	Volatile organic compound
WHMIS	Workplace Hazardous Materials Information System

# Appendix B Tools and Equipment / Outils et équipement

# Personal Protective Equipment (PPE) and Safety Equipment / Équipement de protection individuelle (EPI) et de sécurité

dehumidifier dust mask ear protection fire extinguisher first aid kit hard hat harness with lanyard N95 mask respirator rubber gloves safety glasses safety footwear safety vest working gloves

#### déshumidificateur masque protecteur contre la poussière protecteurs d'oreilles extincteur trousse de premiers soins casque de sécurité harnais avec cordage de sécurité masque à poussière N95 respirateur gants de caoutchouc lunettes de sécurité chaussures de sécurité veste de sécurité gants de travail

# Hand Tools / Outils à main

back saw and mitre box barrel bench broom brush bucket bullnose bead mitre marker caulking gun chalk chalk line chisel bit (for pneumatic tool) cloth and plastic sheeting cold chisel comb corn brush corner finisher corner roller applicator corner trowel crowbar darby driver drywall knife (taping, broad, joint) drywall rasp drywall saw drywall tape reel electric screw gun file flexible knife float grooving tool

scie à dos et boîte à onglets baril établi balai pinceau seau margueur d'onglet à nez arrondi pistolet à calfeutrer craie ligne de craie foret (pour outil pneumatique) toile et feuille de plastique ciseaux à froid peigne brosse finisseur d'angle applicateur de rouleau d'angle truelle d'angle pied de biche règle de plafonneur (darby) grattoir à mur et à plancher couteau à gypse (à ruban, à enduire, à joint) râpe pour cloison sèche scie pour cloison sèche dérouleur de ruban à joint visseuse électrique lime couteau flexible taloche outil à saigner

gypsum knife hacksaw hammer hand chipper hawk jigsaw joiner's hammer ioint knife joint spatula key knife margin trowel masonry brush metal shears measuring tape mixing paddle moisture meter mortar holder mud masher mud pan nail bag nail puller notched trowel paint rollers paintbrush pestle plastering darby pole sander pouch and tool holders putty knife rag sanding block scraper screwdrivers shears shovel spatula sponge sponge float stapler steel trowel straightedge (slicker) syringe tape holder tin snips trowel utility knife whitewash brush

couteau à gypse scie à métaux marteau burin bouclier à mortier scie sauteuse marteau de menuisier couteau à joint spatule à joint clé couteau truelle carrée brosse de maconnerie cisailles métalliques ruban à mesurer palette humidimètre porte-mortier pilon à mortier bac à enduit sac à clous arrache-clou truelle à rainures paint rollers rouleaux à peinture pilon règle de plâtrier ponceuse à manche pochette et porte-outil couteau à mastic chiffon bloc de ponçage grattoir tournevis cisailles pelle spatule éponge taloche en éponge agrafeuse truelle en acier raclette (lissoir) seringue porte-ruban à joint cisaille de ferblantier truelle couteau universel brosse à badigeon

## Power Tools and Equipment / Outils et équipement mécaniques

auxiliary room heater drill and bits screw gun (corded and cordless) cutout tool extension cord and work light fan appareil de chauffage d'appoint perceuse et mèches visseuse électrique scie à tronçonner rallonge avec baladeuse ventilateur

- grinder hand sprayer laser level mixing drill power bar power dustless sanding systems
- power sander stucco sprayer texture sprayer vacuum cleaner whip/paddle

meuleuse pulvérisateur manuel niveau à laser perceuse à mélanger multiprise équipement électrique de ponçage sans poussière ponceuse pulvérisateur de stuc pulvérisateur pour peinture texturée aspirateur agitateur/palette

#### Automatic taping tools / Applicateurs automatiques

applicator heads automatic taper (bazooka, banjo, tape puller)

compressor unit finishing boxes (2, 7, 8, 10, 12 inches, corner, angle, corner bead) gooseneck inside/outside corner rollers pump tube (handles) têtes d'applicateur applicateur automatique (bazooka, banjo, distributeurs de ruban à joints) compresseur boîtes de finition (2, 7, 8, 10, 12 pouces, coin, angle, coin de métal)) col de cygne rouleurs d'angle rentrant/sortant pompe tube (manche)

## Access and Lifting Equipment / Équipement d'accès et de levage

dollies ladders motorized lifts pallet jacks rolling scaffold scaffold scissor lift small scaffold stepladder stilts chariots échelles plateforme élévatrice électrique transpalette à main échafaudage roulant échafaudage table élévatrice à ciseaux petit échafaudage escabeau échasses

# Appendix C Glossary / Glossaire

adhesive	a material with ability to bond two surfaces or objects together	adhésif	produit qui lie deux surfaces ou objets ensemble
bead/corner bead	metal, paper or plastic covering protecting and reinforcing corners of drywall	renfort d'angle	recouvrement en métal, en papier ou en plastique qui protège et renforce les coins des cloisons sèches
blister	a loose, raised spot due to an air space or void in the core of drywall; a tape blister under the tape, usually caused by insufficient compound beneath the tape; also referred to as air bubble	cloque	boursouflure causée par un vide ou une bulle d'air dans le plâtre du panneau de gypse; boursouflure dans le ruban, habituellement causée par un manque de composé à joint sous le ruban; également appelée bulle d'air
butt joint	the joint formed when the cut ends of drywall are placed adjacent to one another	joint d'about	joint formé lorsque les extrémités coupées des panneaux muraux de gypse sont placées l'une à côté de l'autre
caulking	to seal small openings in wall or ceiling systems to prevent leakage of sound or to create a finished appearance and seal between dissimilar materials	calfeutrer	sceller les petites ouvertures dans les murs ou les plafonds pour insonoriser ou pour obtenir un aspect fini et sceller l'espace entre des matériaux différents
chalk line	a straight working line made by snapping a chalked cord between two points	ligne de craie	ligne droite obtenue par le claquement d'un cordeau à craie entre deux points
coat	a single thickness application of compound	couche	application d'une seule épaisseur de composé à joint
compound (see also filler)	a material used in covering joints, corners, and fasteners in the finishing of drywall to produce a smooth and uniform surface. Also used for repairing small holes and cracks in the surface to be painted	composé à joint/mastic (voir aussi composé)	produit utilisé dans la finition de panneaux muraux pour recouvrir les joints, les coins et les fixations pour rendre les surfaces lisses et uniformes. Également utilisé pour réparer les petits trous et les fissures de la surface à peindre
control joint	an expansion or compression space to	joint de dilatation	l'espace d'une expansion ou d'une

	relieve movement stresses in large ceiling and wall areas		compression qui permet de relâcher le mouvement de contrainte dans les grandes surfaces des plafonds et des murs
drywall	the generic name for a family of non- combustible sheet products consisting of a core primarily of gypsum and paper	panneaux muraux	nom générique d'une famille de feuilles non combustibles faites d'un matériau principalement composé de gypse et
drywall (acoustical or soundproof)	surfacing while all drywall has some soundproofing qualities, soundproof drywall adds additional wood fiber, gypsum, and polymers to increase the sound transmission class (STC) above that of regular drywall	panneaux de cloison sèche (acoustiques ou insonorisés)	d'un papier de surface bien que tous les panneaux de cloison sèche aient certaines propriétés insonorisantes, les panneaux de cloison sèche insonorisés ajoutent de la fibre de bois, du gypse et des polymères pour augmenter l'indice de transmission du son (ITS) au-dessus de celle des cloisons sèches ordinaires
drywall (fibre mat)	regular gypsum panels that feature a non- combustible, moisture- resistant gypsum core that is encased in a green colored fiberglass face and back that shed water	panneaux de cloison sèche (à mat de fibre de verre)	panneaux de gypse ordinaires dotés d'un noyau de gypse incombustible et résistant à l'humidité qui est enfermé dans une face et un dos en fibre de verre de couleur verte qui évacuent l'eau
drywall (fire-rated)	specialized fire- resistant drywall is used in garages and basements, around equipment that might cause a fire. It contains fiberglass, which slows the progress of fire and doesn't burn as fast as regular gypsum	panneaux de cloison sèche (résistants au feu)	les panneaux de cloison sèche spécialisés résistants au feu sont utilisés dans les garages et les sous-sols, autour de l'équipement qui pourrait causer un incendie. Elles contiennent de la fibre de verre, ce qui ralentit la progression du feu et ne brûle pas aussi rapidement que le gypse ordinaire
drywall (impact- resistant)	a specialty application product that consists of a high-density, mould- and moisture-resistant,	panneaux de cloison sèche (ultra résistants)	produit d'application spécialisé qui se compose d'un noyau de type X haute densité,

	Type X core covered both front and back in either heavyweight- paper facers or tough fiberglass mats		résistant à la moisissure et à l'humidité, recouvert à l'avant et à l'arrière de parements en papier épais ou d'un mat de fibre de verre
drywall (mould- resistant)	often called green board, is made with a paper backing thicker than regular drywall and coated with wax for extra moisture resistance. It also comes with a fiberglass mesh that is non- organic, removing the food necessary for mould to grow (called paperless drywall). Mould-resistant drywall is most often used in bathrooms, kitchens, laundry rooms and as a tile backer. A mould- resistant mud is also available. Note that moisture-resistant drywall is not the same as mould-resistant	panneaux de cloison sèche (résistants à la moisissure)	souvent appelés panneaux verts, ces panneaux de cloison sèche sont faits d'un support de papier plus épais que la cloison sèche ordinaire et sont recouverts de cire pour offrir une meilleure résistance à l'humidité. Elles viennent aussi avec un mat en fibre de verre non biologique, qui élimine les sources nécessaires à la croissance de la moisissure (qu'on appelle panneaux de cloison sèche sans papier). Les panneaux de cloison sèche résistants aux moisissures sont le plus souvent utilisés dans les salles de bain, les cuisines, les salles de lavage et comme appuis pour des tuiles. Un composé résistant à la moisissure est également disponible. Notez que les panneaux de cloison sèche résistants à l'humidité ne sont pas les mêmes que ceux résistants à la moisissure
drywall (regular)	often called white board, is the most common type used in ceilings and walls in homes and commercial projects	panneaux de cloison sèche (ordinaires)	souvent appelés panneaux blancs, c'est le type le plus courant utilisé dans les plafonds et les murs des maisons et pour les projets commerciaux
drywall (VOC- absorbing)	a relatively new product, volatile organic compound (VOC)- absorbing drywall	panneaux de cloison sèche (absorbant les COV)	produits relativement nouveaux, les panneaux de cloison sèche absorbant les

	captures chemicals and other VOCs and traps them within the drywall, making them inert. These chemicals come from other building materials, as well as cleaning products used every day. The drywall works even after being painted or covered with a light wallcovering for up to 75 years.		composés organiques volatils (COV), capturent les produits chimiques et les autres COV et les emprisonnent dans les panneaux de cloison sèche, les rendant inertes. Ces produits chimiques proviennent d'autres matériaux de construction, ainsi que des produits de nettoyage utilisés tous les jours. Les panneaux de cloison sèche fonctionnent même après avoir été peints ou recouverts d'un revêtement léger pour une période allant jusqu'à 75 ans.
drywall plug (patch)	replacement piece of drywall made from a scrap piece of drywall that matches the surface being repaired; also known as patch, Chicago patch, California patch	cheville de cloison sèche (ragréage)	pièce de cloison sèche de rechange faite d'une retaille de cloison sèche qui correspond à la surface réparée; aussi appelé ragréage de cloison sèche, pièce de Chicago, pièce de Californie
embed	to apply and wipe tape with compound	enrobage	appliquer le ruban à joint et le recouvrir de composé
face paper	finished side of gypsum board	papier	côté fini d'un panneau de gypse
feathering	using the knife and trowel to blend the edges of the filler into the drywall	amincissement	utiliser un couteau et une truelle pour amincir la couche de composé pour l'agencer au panneau mural
filler (see also compound)	a material used in covering joints, corners, and fasteners in the finishing of drywall to produce a smooth and uniform surface. Also used for repairing small holes and cracks in the surface to be painted.	composé (voir aussi composé à joint/mastic)	produit utilisé dans la finition de panneaux muraux pour recouvrir les joints, les coins et les fixations pour rendre les surfaces lisses et uniformes. Également utilisé pour réparer les petits trous et les fissures de la surface à peindre
finishing box	a tool that automatically dispenses the proper amount of compound, coats the joint and	boîte de finition	un outil qui distribue automatiquement la bonne quantité de composé à joint, couvre

fisheyes	feathers the edge; another name for the flat finishing box used to apply coats of compound over drywall joints small holes found in	yeux de poisson	le joint et amincit les bords; un autre nom pour la boîte utilisée pour appliquer des couches de composé à joint sur les joints des panneaux muraux petits trous dans
	application of compound		l'application du composé à joint
flat joint	a joint with bevelled edges; also called a factory joint	joint plat	joint à rebords biseautés, aussi appelé joint d'usine
hopper	<ol> <li>a device used for embedding tape;</li> <li>attachment to spray gun used in texturing;</li> <li>holding tank for spray machines</li> </ol>	trémie	<ol> <li>appareil qui sert à enrober le ruban;</li> <li>accessoire du pistolet de pulvérisation utilisé pour appliquer le fini texturé;</li> <li>réservoir de retenue des pulvérisateurs</li> </ol>
joint	the seam produced by the placement of two pieces of drywall	joint	fente, espace entre deux pièces de panneaux muraux
keying	scratching or scoring surface to promote good bonding of filler	rayer	gratter la surface pour favoriser une bonne adhérence du composé
knock-down	a technique used to flatten the top of textured finishes for a unique look	fini écrasé	technique utilisée pour aplatir le dessus de finis texturés pour obtenir un style unique
laser level	device used in levelling vertical and horizontal surfaces using a laser	niveau à laser	instrument utilisé pour niveler des surfaces horizontales et verticales à l'aide d'un laser
mouldings	ornamental pieces installed in the angles of rooms, especially in older buildings such as Victorian style; original mouldings may have been made of plaster, but replacement mouldings are most commonly plaster- coated foam mouldings	moulures	pièces ornementales installées dans les angles des pièces, surtout dans les bâtiments plus anciens comme ceux de style victorien; les moulures originales peuvent avoir été faites de plâtre, mais les moulures de remplacement sont le plus souvent des moulures de mousse enduites de plâtre
orange peel	a type of finish having the texture of an orange	peau d'orange	fini texturé qui rappelle la peau d'une orange
Plaster of Paris	type of compound that is used for patching and repairs; it dries very	plâtre de Paris	type de composé qui est utilisé pour le ragréage et la réparation; il sèche très

	quickly and is very hard once dry		rapidement et est très dur une fois sec
pole sander	sandpaper holder affixed to the end of a pole with a swivel to aid	ponceuse à manche	support à papier abrasif fixé au bout d'un manche avec un pivot qui facilite le ponçage
pre-filling compound	in the sanding process an application method to prepare drywall to conceal joints before applying tape and compound	pré-remplissage du composé	méthode d'application utilisée dans la préparation des panneaux muraux pour recouvrir les joints avant d'installer le ruban et le composé à joint
primer	coating applied to a substrate for the purpose of sealing, adhesion of subsequent coats, and corrosion control	apprêt	revêtement appliqué à un substrat pour le scellement, l'adhésion de couches subséquentes et la prévention de la corrosion
putty knife	flat-bladed, narrow metal tool for filling cracks and holes	couteau à mastic	mince outil de métal muni d'une lame plate qui sert à remplir les fentes et les trous
sanding	smoothing surface with sandpaper	ponçage	lissage du composé à joint avec du papier abrasif
scuff-sand	sanding using a rough grit to remove working lines and achieve a smooth surface	ponçage léger	ponçage avec un grain rugueux pour enlever les lignes de travail et obtenir une surface lisse
sealer	coating used to prevent excessive absorption of subsequent coats into a porous surface or to prevent stains from bleeding out of the substrate; a thin liquid sometimes applied on wood, plaster, drywall, or masonry to prevent dirt, moisture, stain, etc., from penetrating	produit de scellement	revêtement utilisé pour éviter l'absorption excessive des couches subséquentes sur une surface poreuse ou les taches causées par le ressuage du substrat; mince liquide qu'on applique parfois sur le bois, le plâtre, les panneaux muraux ou la maçonnerie pour éviter l'absorption de saleté, d'humidité, de taches, etc.
skimming compound	usually a thin watered down compound, it is used to smooth the surface on the final coat	composés à appliquer en mince couche	habituellement un mince composé dilué qui est utilisé pour lisser la surface de la couche finale
stucco ceiling	a type of textured ceiling; also called popcorn ceiling	plafond en stuc	un type de fini de plafond texturé, aussi

textured surface	a surface decoration applied by hand or machine	fini texturé	appelé plafond à texture « popcorn ». décoration appliquée à la main ou à la machine sur une surface
touch-up	a final step in drywall finishing where deficiencies are identified and corrected in order to prepare for painting; also known as check-out/light-check	retouches	une dernière étape de la finition des panneaux de cloison sèche où les défauts sont repérés et corrigés afin de préparer la peinture
trim	elongated strip of metal, plastic or paper material with a central nose and a pair of flanges extending outwardly from the nose. Provides crisp clean reveals and protects around openings or at ceiling and floors	moulure	longue bande en matériau de métal, de plastique ou de papier, avec une arête centrale et une paire de collerettes qui s'éloignent de la pointe. La moulure permet de créer une finition et une protection autour des embrasures, sur les plafonds ou sur les planchers
wet sand	to smooth a finished joint with a wet sponge; a method used to reduce dust created by dry sanding	ponçage à l'eau	technique utilisée pour lisser un joint fini à l'aide d'une éponge mouillée; méthode de ponçage qui produit moins de poussière que le ponçage à sec
working lines	ridges and ripples in applied compound; once dry, working lines are removed by sanding	lignes de travail	plissements et ondulations dans le composé appliqué; une fois sèches, les lignes de travail sont enlevées par ponçage