Title	**Explain product knowledge and technical information for Proprietary Plaster Cladding Systems**		
Level	**4**	**Credits**	**10**

Purpose	People credited with this unit standard are able to: describe the range of Proprietary Plasters available and their recommended uses and differences; explain the physical, functional and surface appearance properties of the range of Proprietary Plaster finishes available and their recommended uses and differences; explain the environmental and background conditions that affect the chemistry of Proprietary Plaster Cladding Systems coatings; explain the types and functions of ancillary products used with Proprietary Plaster Cladding Systems; explain the types and functions of Proprietary Plaster Cladding Systems equipment; troubleshoot and provide remedies; and identify and describe maintenance requirements for Proprietary Plaster Cladding Systems.

Classification	Construction Trades > Proprietary Plaster Cladding Systems

Available grade	Achieved

Guidance Information

1 Definition
Specifications refers to documented instructions (oral, written, graphic) and may include any of the following: manufacturer's specifications, recommendations or technical data sheets; material specifications; specifications from a specialist source such as an architect, designer, engineer or a supervisor; site or work specific requirements.

2 Legislation, regulations, codes and standards relevant to this unit standard include:
Health and Safety in Employment Act 1992;
Health and Safety in Employment Regulations 1995;
Resource Management Act 1991;
Hazardous Substances and New Organisms Act 1996; Building Act 2004;
New Zealand Standards, NZS 4218:2004 *Energy efficiency – Small building envelope* and NZS 3604:1999 *Timber Framed Buildings,* available from Standards NZ (http://www.standards.co.nz);
New Zealand Building Code;
Territorial Authorities' building regulations.

Outcomes and performance criteria

Outcome 1

Describe the range of Proprietary Plasters available and their recommended uses and differences.

Performance criteria

1.1 Proprietary Plasters are identified and described in relation to the types of coatings.

Range cement based, polymer based.

1.2 Proprietary Plasters are identified and described in relation to their production or modification.

Range factory mixed, site mixed, site modified.

1.3 Proprietary Plasters are identified and described in terms of their physical properties and applications.

Range lightweight, heavyweight, thick, thin, rigid, flexible, curing characteristics.

1.4 The reinforcements used with selected Proprietary Plaster coatings are identified and described according to the coatings selected.

Range integral fibre reinforcement, mesh reinforcement.

1.5 Reinforcement material used with selected Proprietary Plaster is identified and described according to type.

Range fibreglass, plastic, cellulose.

Outcome 2

Explain the physical, functional and surface appearance properties of the range of Proprietary Plaster finishes available and their recommended uses and differences.

Performance criteria

2.1 Proprietary Plaster finishes are identified and described in accordance with manufacturer's specifications and job requirements.

Range paint, glaze, elastomeric, highbuild, polymer plaster, cement plaster, lime wash, cement wash.

2.2 Different Proprietary Plaster finishes are identified and described in terms of applications and limitations.

Range weatherproof, maintainability, fire resistance properties, life expectancy, abrasion resistance, sound transmission, impact resistance, vapour permeable, flexibility.

2.3 Proprietary Plaster textures are identified and described in terms of the way they are created, applied and finished.

Range applied by – trowel, spray, roller, brush, sponge.

2.4 Proprietary Plaster finish options in terms of how colour is achieved, are identified and described in accordance with manufacturer's specifications and job requirements.

Range coloured paint, coloured plaster, coloured cement, lime wash.

2.5 The maintenance of Proprietary Plaster finishes is explained in terms of processes applied.

Range inspection, resealing, recoating, washing, chemical cleaning, repairing.

2.6 Proprietary Plaster finishes are explained in terms that relate to colour and colour variances.

Range opacity, light reflectance value, intensity, gloss levels, tones.

Outcome 3

Explain the environmental and background conditions that affect the chemistry of Proprietary Plaster Cladding Systems coatings.

Performance criteria

3.1 Background conditions for Proprietary Plaster Cladding Systems coatings are explained in terms of impact.

Range suction, cleanliness, surface friability, dampness, surface chemical contamination, surface drumminess.

3.2 Weather and environmental effects on the application and curing of Proprietary Plaster Cladding Systems coatings are explained.

Range temperatures, wind effect, humidity, shade, background moisture content.

3.3 The architectural or designer properties of different Proprietary Plaster Cladding Systems are explained.

Range fire resistance rating, flame spread, insulation, wind loading, sound transmission, impact resistance, aesthetic limitations.

Outcome 4

Explain the types and functions of ancillary products used with Proprietary Plaster Cladding Systems.

Performance criteria

4.1 The different types of flashings used in conjunction with Proprietary Plaster Cladding Systems are identified and described in terms of their functions and suitability.

Range sill, jamb, corner, junction expansion, head, base, parapet, saddle.

4.2 The different types of proprietary fastenings and adhesives used with Proprietary Plaster Cladding Systems are identified and described in terms of their functions and suitability.

Range nails, screws, washers, insulation anchors (darts), adhesives, modified plaster.

4.3 The different types of bead sealants and joint fillers used with Proprietary Plaster Cladding Systems are identified and described in terms of their function, suitability and limitations.

Range cartridge sealants, expanding foam, backing bead.

4.4 The correct measurement, mixing and use of additives with Proprietary Plaster Cladding Systems is explained.

Range polymer additions, oxide pigments, tinter pigments, fibres, clean tempering water.

4.5 The selection, limitation and application of masking products for use with Proprietary Plaster Cladding Systems are identified and described in accordance with manufacturer's specifications and job requirements.

Range paper masking, plastic masking, PVC tape, cloth tape, paper tape, tape primer.

Outcome 5

Explain the types and functions of Proprietary Plaster Cladding Systems equipment.

Performance criteria

5.1 The different types of mixing equipment used with Proprietary Plaster Cladding Systems are identified and described in accordance with manufacturer's specifications and job requirements.

Range stirrers, paddle mixers, continuous mixers.

5.2 The different types of special application equipment used with Proprietary Plaster Cladding Systems are identified and described in accordance with manufacturer's specifications and job requirements.

Range pressure pots, pumps, hot groover knives, spray guns, hopper guns.

5.3 The different types of special finishing equipment used with Proprietary Plaster Cladding Systems are identified and described in accordance with manufacturer's specifications and job requirements.

Range plastic floats, stainless steel trowels, wood floats, polyethylene floats, polystyrene floats, texture rollers, lacing rollers, sponges.

Outcome 6

Troubleshoot and provide remedies.

Performance criteria

6.1 Causes and remedies for variations in finishes are identified and described in terms of the impact on desired job outcomes.

Range colour, cold joints, texture, flatness.

6.2 Causes and remedies for failures in Proprietary Plaster Cladding Systems are identified and described in terms of the impact on desired job outcomes.

Range cracking, delamination, impact resistance, leaks.

Outcome 7

Identify and describe maintenance requirements for Proprietary Plaster Cladding Systems.

Performance criteria

7.1 Maintenance requirements for Proprietary Plaster Cladding Systems are identified and described in accordance with manufacturer's instructions.

Range cleaning, ground/deck clearance, landscaping considerations, sealant maintenance, crack and damage repair, repainting.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 June 2000	31 December 2024
Review	2	24 January 2006	31 December 2024
Review	3	26 January 2007	31 December 2024
Review	4	30 June 2022	31 December 2024

Consent and Moderation Requirements (CMR) reference	0048

This CMR can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.