

PAINT SPECIFICATION



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DATE:
3rd March 2015

PROJECT NAME:
Magnesium Oxide
Board-

External specification

PREPARED BY:
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PPG Architectural Coatings

ABN 82 055 500 939 004
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Armawall Armashield on Magnesium Oxide Board with Preprite Traditional Undercoat and Armawall Polymer Render

QCS3542_004



Job Details

Client	
Reference No.	
Project	
Date	02/03/15
Item	Generic MgO specification - Render finish
Colour	To be notified
Created By	Chris Suter

Specifications

Substrate: Magnesium Oxide Board (MgO)

New/Repaint: Texture New Quality: Trade

Interior/Exterior: Exterior

Surface Preparation

Ensure Magnesium Oxide Board panels are securely fixed in accordance with manufacturer's specifications (CM-11-A0007 -Code Compliant). The surface should be clean, dry and free from all dirt, dust, grease, oil mould and any other surface contamination that may affect adhesion. There must be less than 15% moisture wood equivalent in the surface at the time of application. Cut Armawall Mesh to required size. Apply Armawall Mesh. Fill joints flush with Armawall Coarse Patch with the addition of 20% grey cement powder into the compound prior to application and fully encapsulate the Armawall Mesh, allow to dry for 24 hours minimum, curing may take longer during cold, humid or wet weather, to ensure optimum coating performance. Add fine grit to the undercoat if using Polymer Render for ease of application.

1st coat: Taubmans PrepRight Traditional Undercoat (D862)

Application: Brush, Roller Spreading Rate sqm/litre: 16

Reducer/Washup: Turps Recoat Time: 16

2nd coat: Armawall Polymer Render (D0238)

Application: Trowel / Polystyrene Float Spreading Rate sqm/litre: 1ltr/m

Reducer/Washup: Water Recoat Time: 48

Dry Film Thickness : 0

3rd coat: Armawall Armashield (D0245)

Application: Brush, Roller Spreading Rate sqm/litre: 8

Reducer/Washup: Water Recoat Time: 4

Dry Film Thickness : 0

4th coat: Armawall Armashield (D0245)

Application: Brush, Roller Spreading Rate sqm/litre: 8

Reducer/Washup: Water Recoat Time: 4

Dry Film Thickness : 0

DISCLAIMER

The technical information and suggestions for use and application presented herein represent the best information available to use and are believed to be reliable. They should not, however, be construed as controlling suggestions and there is no warranty of performance of our materials either expressed or implied. We urge that users of our materials conduct confirmatory tests to determine that final suitability for their specific end users.



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Description

A premium quality, dense, easy sanding, solvent based undercoat with excellent surface-filling properties. Prep Right Oil Based Undercoat promotes outstanding adhesion over previously painted enamel surfaces.

Uses

Both interior and suitably primed exterior surfaces.

Recommended for

Promote adhesion to "difficult" surfaces.


Technical
Colour Range

White only

Drying And Recoating

Touch dry 4-6 hours. Overcoat after a minimum of 16 hours. at 25°C and 50% relative humidity. Note - Drying time may be lengthened in damp, cold or humid conditions.

Gloss Level

Low Gloss

Odour

Ensure adequate ventilation during use

Specifications met

APAS 0016/1, AS3730.14


Surface Preparation

Remove all loose and flaking paint. Remove surface chalk and powder, dirt, oil, rust and grease. Sand smooth before painting and sand lightly between coats. Surfaces must be clean and dry before painting. Prime bare metal and exterior timber surfaces in accordance with the specification for the surface to be painted as shown on the paint can label. For Example: Exterior timber - PrepRight Wood Primer. Galvanised steel, Aluminium, Zincalume - Taubmans 3 in 1. Steel - PrepRight Iron and Steel Primer.

Aged Enamel

Thoroughly sand with fine paper to achieve a "key".

Powdercoated surfaces

Thoroughly sand with fine paper to achieve a "key".


Application
Application

Apply one coat by brush, roller or spray. A 10mm Democ roller cover or similar will give best results.

Cleanup

Mineral turps

Coverage

Up to 16m²/litre. Coverage will be lower on rough or absorbent surfaces.

Recoat

Recoat after 16 hours at 25°C and 50% relative humidity.

Stirring

Stir paint with a 25mm wide flat stirrer in a circular lifting motion for at least 5 minutes before use. Thin sparingly with mineral turps if necessary.

Armawall Armashield

D0245



Description

A low gloss, tough acrylic membrane with outstanding long term durability and dirt shedding properties.

Uses

Repaint/impact coating on masonry, brick/blockwork. Exterior Masonry, fibrous cement sheeting, AAC panels and blocks, bricks and blockwork. Recommended for texture coating repaint or as an impact coating. Particularly suitable for commercial and high rise repaint where a weatherproof membrane is required.

 **Features**

Low VOC

Conforms to Green Building Standards

Seamless membrane

Outstanding weathering and moisture resistance

Vapour Permeability

Allows substrate to breathe

 **Technical**

Volume solids

55%

Wet Film Thickness

Nominal 200 micrometers, 2 coats

Dry Film Thickness

Nominal 100 micrometers, 2 coats

Drying Time

Touch Dry: 30 minutes. Recoat: 4 Hours, Note: This may be lengthened in damp, cold or humid conditions

Profile

Low Profile - Nap Roller

VOC

< 50g/L

Water Vapor Transmission Rate (gsm/24hr)

208

Water Swelling

14.6

Elongation (%)

118.8

Gloss Level

Less than 5%

Tensile Strength

2.7

Crack Bridging Ability

4.48

Application

The product information contained within this document is written by PPG Industries Australia Pty Ltd, as the manufacturer of Armawall Texture Coatings Range. PPG Industries Australia Pty Ltd recommends that you read and understand the information contained here in. In conjunction with the Data Sheet (DS), it is recommended that the product Material Safety Data Sheet (MSDS) is also read before you use or handle the product. The information contained in this data sheet is compiled as a result of extensive field and laboratory testing. For optimum performance of the Armawall Texture Coating System it is strongly recommended that the application is carried out by an applicator skilled in the Armawall systems and products. The Armawall Texture Range is not designed for use by non professional applicators or DIY use. Material warranties will only be issued when Armawall full systems have been employed and applied by skilled applicators in accordance with Armawall specific instructions and specifications. No warranty is implied or stated by the use of this Data Sheet, PPG Industries Australia Pty Ltd advises that it is a requirement for the home owner, builder, architect or main contractor to fully investigate the suitability of the Armawall Texture Range for it's desired use and application.

Spread Rate

8 m²/litre, dependind on surface profile

Odour

Low

Colour Range

Available in a wide range of colours

Surface Preparation

Surface preparation is the responsibility of the Applicator, Builder, Renovator or Main Contractor. Armawall Surface Preparation Products are designed to perform at their optimum when used as part of an Armawall Texture Coating System.

Aged Enamel

Previously painted enamel surfaces should be undercoated with Taubmans Tradecoat.

Masonry Surfaces

New cement render, masonry and concrete surfaces should be allowed to cure for 28 days. Off form concrete should be thoroughly cleaned by acid etching, water or sand blasting to ensure all bond breaker oils are removed. All masonry surfaces should be primed with Armawall Primer (thinned 50-100% with water) prior to the application of Armawall Armashield. Seal tilt slab concrete with Armawall Sealer/ Bonder to ensure adhesion of topcoats.

Previously Painted Surfaces - In Sound Condition

Previously painted surfaces in sound condition should be scrubbed down with detergent and fresh water; fresh water washed and allowed to dry.

Special Substrate Preparation and Application

Surface irregularities such as blow holes and profile defects may require patching with Armawall Filler or Patch prior to system application

Substrate Moisture Content

Moisture content of the substrate must be no greater than 15% wood-moisture-equivalent (WME) prior to or during application, to ensure optimal coating system performance

Application

Application

Apply by Brush, Roller or Airless Spray Unit can be applied in the following manner: 1. Apply 1 coat by roller over other Armawall textures as a decorative topcoat (8 m²/litre) 2. Apply 2 coats over primed concrete with a long nap roller to achieve a smooth membrane finish (8m²/litre each coat).

Cleanup

Water, away from drains and watercourses.

Drying Time

Armawall Armashield - 4 Hours. Note: This may be lengthened in damp, cold or humid conditions. Do not apply at temperatures below 10°C.

Stirring

Stir Armawall Armashield prior to use

Temperature

Avoid application when temperature is below 10°C and above 35°C.



Description

A pre-mixed single component rendering material designed to be used as a thin section render or patching compound. Polymer Render should always be overcoated with Armawall texture system.

Uses

Thin section flexible render, ideal for difficult substrates, including fibrous cement sheeting, previously painted surfaces, dense smooth concrete, AAC Hebel blocks and panels, plasterboard and polystyrene.

 **Features**

Economical

Provides a stable, solid and tintable base. There is no need to seal Armawall Polymer Render before application of finishing coats.

Extensive Case History

Proven performance in all climates

Fine Finish

Provides a smooth substrate suitable for painting with fine Armawall texture finishes.

Flexibility and Compatibility

Tested and approved for use over Fibrous Cement sheeting and can be used on the majority of building substrates.

Pre-mixed Acrylic Render

A user friendly single pack, free of lime and cement. Acrylic content provides strong adhesive bond to suitably primed masonry substrates.

Water Vapour Permeable

Allows substrate to breathe

 **Technical**

Colour Range

Off white

Dry Film Thickness

1mm to a maximum of 4 mm

Drying Time

Drying Time: Armawall Primer Recoat 2 Hours. Armawall Polymer Render Recoat 48 Hours.
Note: Drying time may be lengthened in damp, cold or humid conditions. Under normal conditions application of Armawall Texture Coating Systems may be commenced 2 days after render.

Odour

Low

Profile

Smooth render finish

Spread Rate

1 litre/ m²/ @ 1mm Average Thickness. Spread rates will be lower on rough or absorbent surfaces.

Storage Handling

Pails should not be stacked more than 2 high during transport and should not be stored in direct sunlight or below 4°C

Application

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Surface Preparation

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Cement Sheeting - Butt Edge

All surfaces must be clean, free from dirt, dust, oil, grease, silicone or loose materials. Any joints created in fixing the sheets that does not have a beveled edge (e.g. cut sheets) must be beveled by using a small angle grinder such as a ZEC SC16 sanding disc to achieve the correct profile for the recessed edge joint filling system.

Cement Sheeting - Recessed Edge

All surfaces must be clean, free from dirt, dust, oil, grease, silicone or loose materials. Harditex Cement Sheeting must be installed strictly in accordance with the manufacturers written instructions. Cut Armawall Mesh to required length and place in joint, using Armawall Coarse Patch mixed with 15% by volume with grey cement into the compound and flush to the face of the sheet. Refer Taubmans Armawall Product Data Sheets for additional information

Masonry Surfaces

All surfaces must be clean, free from dirt, dust, oil, grease, silicone or loose materials. New cement render, masonry and cement surfaces should be allowed to cure for 28 days. Off form concrete should be thoroughly cleaned by acid etching, water or sand blasting to ensure all bond breaker oils are removed. Deep holes or deviations can be filled with Armawall Filler and allowed to dry before application of Armawall Primer thinned 50% with water.

Previously Painted Surfaces - In Sound Condition

All surfaces must be clean, free from dirt, dust, oil, grease, silicone or loose materials. Should be scrubbed down with detergent and fresh water, fresh water washed and allowed to dry. Previously painted enamel surfaces should be undercoated with Taubmans Tradex Tradecoat.

Substrate Moisture Content

Moisture content of the substrate must be no greater than 15% wood-moisture-equivalent (WME) prior to or during application, to ensure optimal coating system performance



Application

Application

This product generally is applied with a hawk and steel trowel in 1 or 2 applications over the total substrate and finished with a steel, plastic, polystyrene float, or the surface is rubbed with a soft sponge to achieve a sponge finish. Good plastering practices and the provision of expansion joints are essential.

Cleanup

Water, away from drains and watercourses.

Finishing

This product is a surface preparation product only, as such it should be used in conjunction with the complete Armawall Texture System and specification. As a surface preparation product it should not be left exposed for more than 4 weeks of curing. The finishing system should be applied in a continual time frame, please refer to the Armawall Product Data Sheet for drying times.

Stirring

Stir Armawall Polymer Render Vigorously, preferably with a mechanical stirrer, until a uniform consistency is reached.

Temperature

Avoid application in strong winds or when temperature is below 5°C and above 35°C.
