

AUPP00015 Porter's Paints Mineral Silicate Primer

Introduction

Part A
PZ5-D0846

Description and Image

Porter's Mineral Silicate Primer is a premium silicate based clear primer, primarily for use to prepare masonry surfaces for the application of Porter's Mineral Paint. Also excellent for use as a penetrative primer for new unpainted interior set plaster, and to bind surfaces on very aged, powdery or chalky lime washes or cement based paints.

Features and Benefits

- Mineral Silicate Primer penetrates and chemically reacts with the substrate to "petrify", otherwise known as "silification".
- Dries to a natural flat finish
- Solvent free
- Low odour
- Non-combustible

Uses

Interior or Exterior. Cement render, bagged brickwork, concrete, masonry blocks, bricks, sandstone, off form concrete, tilt up concrete panels and most absorbent building stones. New, unpainted set plaster. Aged and chalky lime washes and cement paints. Can be used either prior to repainting with the same product, or to prime/bind surfaces when moving on to another paint system.

✓ Interior ✓ Exterior

Precautions and Limitations

Mineral Silicate Primer is not suitable for use on glazed bricks, glazed tiles, timber, metal, and paper-faced plasterboard. Mineral Silicate Primer will not bond to synthetic compounds such as epoxy or silicone. Application by spray gun is inadvisable because of the effects of alkaline overspray onto nearby glass, vehicle finishes etc. Ensure all glass, aluminium, metal finishes and vehicles are protected from Porter's Silicate Primer, which, due to the silification bonding process, etches on and can prove extremely difficult to remove. Do not apply Mineral Silicate Primer over construction or expansion joints. Do not apply in high humidity, below 10°C or above 30°C.

Typical Properties

Colour

Appears milky white in can, dries clear.

Components

1

Number of Coats

1

V.O.C. Level

< 10 g/L

Touch Dry

20 minutes

Clean Up



Water

Clean Up Description

Splashes onto glass, footpaths, timber etc should be removed immediately with water.

Application Methods



Brush



Roller

Application by spray gun is inadvisable because of the effects of alkaline overspray onto nearby glass, vehicle finishes etc.

Application Conditions

Solids by Volume

6.88

Min

Max

Recommended

Wet Film Per Coat (microns)

100

Dry Film Per Coat (microns)

6.88

Recoat Time (min/hours)

2 hours

Theoretical Spread Rate (m²/L)

10

Typical Property Notes

Mineral Silicate Primer covers approximately 10m² per litre, depending upon porosity, surface texture and wastage rates.

Application Guide

Surface Preparation

Curing of new substrates

Newly completed walls should be left to cure before the application of Mineral Silicate Primer.

Minimum drying/curing times

Cement render - 28 days

Cement "bagged" surface - 14 days

Bricks and mortar - 56 days

Filled concrete blocks - 56 days

Pre-cast and in-situ concrete - 56 days

Application Procedure and Equipment

Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point. Do not apply if the surface temperature is greater than 30°C or below 10°C, or likely to fall below 10°C during the application or drying period. On hot, dry or windy days whenever possible work in shaded areas, following the sun around the structure. Splashes onto glass, footpaths, timber etc should be removed immediately with water.

New/unpainted masonry substrates

Substrate should be a clean well-held surface free from loose material, dirt, grease, oil and mould. Surface should be thoroughly swept and hosed to remove all dust, loose sand and projecting cement material. Complete the painting of all adjacent surfaces and trim items prior to the application of Porter's Mineral Silicate Primer. Apply 1 coat of Porter's Mineral Silicate Primer to entire wall surface by brush or roller. Touch dry 20 minutes. Allow 2 hours dry time before over coating.

Off-form concrete and tilt-up slab construction

Concrete and tilt-up surfaces require a thorough acid wash to remove ALL traces of bond breakers/release agents and importantly, to remove any "glazed" or "polished" appearance, as Mineral Silicate Primer can only adhere to an absorbent masonry surface. Apply 1 coat of Porter's Mineral Silicate Primer to entire wall surface by brush or roller. Touch dry 20 minutes. Allow 2 hours dry time before over coating.

Unpainted interior set plaster

Set plaster requires a penetrative binder/primer prior to application of an undercoat. Apply 1 coat of Porter's Mineral Silicate Primer to entire wall surface by brush or roller. Touch dry 20 minutes. Allow 2 hours dry time before over coating with Porter's Limeproof Undercoat Sealer.

Re-coating powdery, chalky lime wash or boncote cement paint

Porter's Mineral Silicate Primer will bind powdery or chalky paint to the original surface, allowing adhesion of further coats, or an undercoat sealer (if moving to another paint system) without compromise. Apply 1 coat of Porter's Mineral Silicate Primer to entire wall surface by brush or roller. Touch dry 20 minutes. Allow 2 hours dry time before over coating.

Health and Safety

SDS Number

DLXGHSEN001335

SDS Link

[View SDS Link](#)

Using Safety Precautions

Keep out of reach of children. Read the label before opening or using. Keep container tightly closed. Avoid breathing mist, vapours or spray. Use only outdoors or in a well ventilated area.

Please refer to SDS Link. In case of emergency, please call 1800 220 770.

Transport and Storage	
Pack A PZ5-D0846	
Size: <div>1L, 4L & 15L.</div>	Weight: <div>1.15 Kg, 4.4 Kg, 15.8 Kg</div>
Flash Point NA	UN Number NA
Dangerous Goods Class Not classified as Dangerous Goods for transport by Road & Rail and Marine, Not classified as Dangerous Goods for transport by Air.	Package Group NA

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The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

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WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS 4361 Parts 1 and 2 and Worksafe Australia guidelines.