

Mineral Silicate Primer

Location = Exterior/Interior

Water-based Mineral Silicate Primer

Features

Murobond Mineral Primer penetrates and binds masonry, lime and cement renders, concrete, brick and stone surfaces

Chemically combines with the substrate

Will not blister or peel

Highly water vapour permeable

Ease of application

Non-film forming

Provides a sound surface for finish coats

Highly acid rain resistant

Highly weather resistant

Solvent free

Water clean-up

Uses

Murobond Mineral Silicate Primer is a single component water based mineral silicate based coating that delivers superior penetration and binding while maintaining natural surface poros-

ity to water vapour. Murobond Mineral Silicate Primer is suitable for porous exterior structures in masonry, lime and cement renders, concrete, brick and stone surfaces

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Specifications

Weathering

Murobond Mineral Silicate Primer is intended to be overcoated. It will not bubble or peel as it is chemically reacted with the substrate

Flammability

Product is not flammable

Solvent Resistance

Some sensitivity to alcohols, petrol, diesel, oils, and hydrocarbons

Salts, Acids, Alkalis

Excellent resistance to acidity and alkalinity.

Good resistance to salts.

Water

Resistant to prolonged rain and condensation

Abrasion

Good resistance to abrasion.

Colour range

N/A Murobond Mineral Silicate Primer is clear and is not formulated for tinting

Pack Sizes

Available in 1.4.10.15 Litre

Summary of Typical Applications & Properties

Product Type	Potassium Silicate Primer Single Part		
Appearance	Mineral Matt Transluscent		
Colour Range	N/A		
Components	1		
Volume solids	54%		
VOC	< 1gram per litre		
Flash Point	None		
Thinning	Water (Not recommending)		
Application conditions	Min	Max	
Air temperature	8°C	35°C	
Surface temperature	8°C	35°C	
Humidity			85%RH
Wet Film Thickness per coat (microns, porous – non porous)	20 - 50		
Dry Film Thickness per coat (microns, porous – non porous)	10 – 25		
Suitable surfaces	Porous masonry, concrete, brick, stone		
Application Method	Brush, roller, spray (mask surrounding surfaces)		

Drying times at 50 microns

TEMPERATURE	HUMIDITY	TOUCH DRY	RECOAT (MIN)
15°C	50%	2 Hours	12 Hours
20°C	50%	70 Minutes	12 Hours
25°C	50%	45 Minutes	12 Hours
Full Cure		30 Days	

Typical spreading rate 7m² per litre delivering 25um DFT

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Typical Surface Systems

SURFACE	FIRST COAT	SECOND COAT	THIRD COAT
Cement Render	Mineral Silicate Primer	Mineral Silicate	Mineral Silicate
Concrete	Mineral Silicate Primer	Mineral Silicate	Mineral Silicate
Clay Brick	Mineral Silicate Primer	Mineral Silicate	Mineral Silicate
Porous Stone	Mineral Silicate Primer	Mineral Silicate	Mineral Silicate
Water-based Paints	Murobond Primer	Mineral Silicate	Mineral Silicate

Applying Mineral Silicate Primer

Surface Preparation

The preparation defined by the guidelines for the selected primer should be followed. The primed surface must be free of oils, grease, loose particles, dirt, mould, moss or other foreign matter.

Application

Stir product thoroughly before application. Use undiluted directly from the can. Thinning is not generally required and should be avoided.

Brush

Apply an even full coat working quickly to maintain a wet edge across each surface.

Roller

Roll tight to edges with a full even coat.

Spray

Airless spray is recommended with care to fully mask surrounding surfaces against overspray.

Allow overnight drying between coats.

Clean-up

Water

Precautions

Murobond Mineral Silicate Primer will react and chemically combine with mineral surfaces including glass so mask these surfaces thoroughly and clean up spills, spatter, and overspray immediately. Care should be taken to maintain a wet edge, particularly in hot or windy conditions. Expansion / control joints should be masked. Do not apply if temperature less than 4°C above dewpoint, or if dew may settle before reasonable cure (12 hours). Avoid painting hot surfaces. Protect surfaces from mechanical damage for 7 days. Protect surfaces from rain for 12 hours.

Storage & Handling

No special requirements. This product is not hazardous. Avoid storing in hot conditions (above 30°C) for extended periods

E & OE All advice given in this document is given in good faith, and is considered to be accurate and reliable. As the circumstances of storage, handling and application of this product are outside the control of Murobond Coatings Pty Ltd, our warranty and undertakings do not extend to these.

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