

# Mineral Silicate

## matt clear

Location = Exterior/Interior

A Highly Durable Matt Water-based Translucent Mineral Silicate Finish.

### Features

High performance Mineral Silicate coating for 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.

Matt mineral clear finish.

Highly UV, acid rain and weather resistant

Solvent free.

Water clean up.

### Uses

Mineral Silicate Matt Clear is a single component water based mineral silicate coating that may be applied to strengthen masonry with minimal change to its appearance.

With minimal chalking, excellent chemical and

UV resistance, and resistance to weathering, Murobond's Mineral Silicate Matt Clear is suitable for porous exterior structures in masonry, lime and cement renders, concrete, brick and stone surfaces.

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# Specifications

## Weathering

Excellent long term weather resistance with high UV resistance Mineral Silicate Matt Clear expands and contracts at the same rate as the substrate. 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

Mineral Silicate Matt Clear is resistant to prolonged rain and condensation

## Abrasion

Good resistance to abrasion.

## Pack Sizes

Available in 1.4.10.15 Litre

## Summary of Typical Applications & Properties

<b>Product Type</b>	Potassium silicate paint single part		
<b>Appearance</b>	Mineral matt translucent.		
<b>Colour Range</b>	N/A		
<b>Components</b>	1		
<b>Volume solids</b>	15%		
<b>VOC</b>	< 1gram per litre		
<b>Flash Point</b>	None		
<b>Thinning</b>	Water (Not recommended)		
<b>Application conditions</b>	Min	Max	
<b>Air temperature</b>	10°C	35°C	
<b>Surface temperature</b>	10°C	35°C	
<b>Humidity</b>			85%RH
<b>Wet Film Thickness per coat (microns, porous – non porous)</b>	83 – 48		
<b>Dry Film Thickness per coat (microns, porous – non porous)</b>	12 – 7		
<b>Suitable surfaces</b>	Porous masonry, concrete, brick, stone.		
<b>Primers</b>	Not generally used.		
<b>Application Method</b>	Brush or spray (mask surrounding surfaces)		
<b>Typical spreading rate</b>	7 - 12 m <sup>2</sup> per litre (porous – non porous)		

TEMPERATURE	HUMIDITY	TOUCH DRY	RECOAT (MIN)
15°C	50%	2 Hours	24 Hours
20°C	50%	70 Minutes	18 Hours
25°C	50%	45 Minutes	12 Hours
Full Cure		30 Days	

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# Typical Surface Systems

<b>SURFACE</b>	<b>FIRST COAT</b>	<b>SECOND COAT</b>
Cement Render	Mineral Silicate Matt Clear	Mineral Silicate Matt Clear
Concrete	Mineral Silicate Matt Clear	Mineral Silicate Matt Clear
Clay Brick	Mineral Silicate Matt Clear	Mineral Silicate Matt Clear
Porous Stone	Mineral Silicate Matt Clear	Mineral Silicate Matt Clear

## Applying Mineral Silicate Matt Clear

### Surface Preparation

Surface must be free of oils, grease, loose particles, dirt, mould, moss or other foreign matter. Murobond advises application by a recommended contractor.

### Application

Stir product thoroughly before application.

Porous surfaces: thinning should be minimized = 5% or less clean water.

Non-porous surfaces: thinning should be avoided.

Second or subsequent coats: thinning should be avoided.

### Brush

Apply even full thick coats working quickly to maintain a wet edge across each surface.

### Spray

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

Allow overnight drying between coats.

### Clean-up

Water

### Precautions

Mineral Silicate Matt Clear will react and chemically combine with mineral surfaces including glass. Mask these surfaces thoroughly and clean up spills, spatter, and overspray immediately.

### Storage & Handling

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

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