

System **Silicone Resin Exterior Coating**

Substrate **MgO Board (Ubiq)**

Top Coat Description The concrete coating shall be a water based Silicone Resin Paint incorporating a solvent-free, tri-functional silicone resin binder of 90% inorganic content, UV-resistance inorganic pigments and inert mineral fillers. The Silicone Resin content will be greater than 10% by weight. The paint will be water repellent as seen by the characteristic water beading effect which protects concrete and mineral substrates against moisture whilst allowing the substrate to breath. The finish is mineral matt.

Colour **TBC**

Standard **AS/NZS 4558.2 :1999 Long Life Coatings for Concrete and Masonry.**

Performance

1. Liquid Water Transmission Rate – EN1062.3 - 0.06 W24-value in kg/m²h^{0.5}
 2. Water Vapour Permeability – EN1062.2 – 0.15 wet cup, Sd-value
 3. Adhesion on Sand/Limestone Surface – AS/NZS 1580.408.5 – 2.33 N/mm²
 4. Wet Scrub Resistance – ISO 11998 – 1900 @ 4days & > 10,000 @ 200hrs. QUV-B
 5. No UV degradation / Chalking – ISO 11507 - 1000hrs QUV
 6. Resistant to Mould & Algae growth
 7. Self Cleaning Effect – Atmospheric dust is washed away with rain
 8. Will not support combustion and hence is resistant to fire
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Properties

1. AS/NZS 1580 107.2 – Wet Film Thickness 120µm +/- 10µm
 2. AS/NZS 1580 108.2 – Dry Film Thicknes 40µm +/- 5µm
 3. AS/NZS 1580 107.8 – Spreading Rate 7-9Sqm / Litre
 4. AS/NZS 1580 202.1 – Density 1.41 +/- 0.1 (LTB) @25°C & 50% RH
 5. AS/NZS 1580 211.1 – Degree of Settling <1 (Score 0-5, 0=best)
 6. AS/NZS 1580 211.2 – Reincorporation <1 (Score 0-5, 0=best)
 7. AS/NZS 1580 211.3 – Opacity .95% @ 16 Sqm / Litre
 8. AS/NZS 1580 211.4 – Viscosity 7.0-8.0 poise Rotothiner @25°C & 50% RH
 9. AS/NZS 1580 211.1 – Solids Content 36%
 10. AS/NZS 1580 401.1 – Touch Dry 15 Minutes @25°C & 50% RH
 11. AS/NZS 1580 401.6 – Min Recoat 2 Hours @25°C & 50% RH
 12. VOC <50g/Litre
 13. pH 9.0
 14. Water based System – Non Hazardous, Safe transport
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Customer service and order information

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online www.klaascoatings.com.au

Primer Not Required

Surface Preparation The surface must be cohesive, dry and free of dust, oil, grease and other contaminants that may hinder adhesion. Only patch with polymer modified patching compounds, ensure a similar surface texture to the surrounding area is achieved. Remove any efflorescence prior to painting.

APPLICATION

	Coverage m ² /L	Film Thickness microns		Drying Time 20°C 50%RH	
		Minimum	Wet	Dry	Touch
Primer	Not rq'd	Not rq'd	Not rq'd	Not rq'd	Not rq'd
First Coat (Equipment: roller, brush or spray)	8 m ² /L	120 µm	40 µm	15 mins	8 hours
Second Coat (Equipment: roller, brush or spray)	8 m ² /L	120 µm	40 µm	15 mins	8 hours

Touch-up Si-Rex03 has been optimised for excellent touch-up properties when same batch is applied. Klaas has a Delta E tolerance <0.5 between batches and <1.0 between batch and colour standard.

Warranty 15 years durability on new and sound substrates;
At least 5 years resistance to fungal and algae growth

Notes Practical spreading rates may vary from theoretical figure depending on substrate porosity, surface texture, painting losses and environment conditions, temperature and wind.
Application should be adjust to achieve the recommended Dry Film Thickness. Do not apply the coating system if the temperature is or expected to go below 10°C during the application/drying period.
Avoid application in direct sunlight or hot, windy conditions
Avoid application if rain is forecast for the day of application