

Si-Rex03

Datasheet

Klaas Si-Rex03™ Exterior Matt Silicone Resin Exterior Paint

VOC <50g/Litre

DESCRIPTION

Si-Rex03 by Klaas Coatings is a state of the art coating formulated for use on concrete and masonry substrates. Using an advanced silicone resin binder, it delivers a sophisticated looking mineral matt finish with outstanding performance benefits.

Si-Rex03 is unique because it protects the substrate with excellent water repellency while allowing the substrate to breathe almost unhindered. This unique property lowers the relative humidity of the substrate over time. A dry substrate prevents corrosion, degradation and maximises insulation performance. Its strong surface beading also provides a self cleaning effect and excellent resistance to microbial attack. These innovative features make the surface look cleaner for longer.

The silicone resin doesn't just provide water-repellency, its tough, Quartzlike structure acts as "reinforcing" giving

Si-Rex03 excellent weather resistance. Si-Rex03 will resist chalking and outlast conventional paint systems. Longer repaint intervals mean less cost.

While durability and protection are key benefits of Si-Rex03, it is the look and finish that people notice. The mineral matt surface eliminates all gloss and side sheen. This allows colours to appear clean and true whilst hiding the surface irregularities which are unavoidable in mineral substrates.

By only using the most durable and fade resistant inorganic oxide pigments, Klaas Coatings has produced an earthy colour range that perfectly suits concrete and masonry surfaces. This combination of earthy colours and matt finish avoids the "plastic-coated look" of conventional paint systems. Si-Rex03 provides a softer, established and natural look that conveys a sense of quality.

KEY BENEFITS

- Hydrophobic
- Vapour & Gas Permeable
- Self Cleaning Effect
- Superior Weather Resistance
- Long Repaint Interval
- Low VOC (after tinting)
- Excellent Touch up

AREAS OF USE

- Render
- Concrete
- Fibre Cement Sheeting
- Brick
- Masonry
- Skim Coat (Polymer Modified)

APPLICATION

	Method	Theoretical Coverage	Typical DFT	Touch Dry*	Re-Coat*
PRIMER Si-Prime	Roller, Brush & Spray	5m ² /L	N/A	30 min	6 hours
FIRST COAT Si-Rex03	Roller, Brush & Spray	8m ² /L	40um	30 min	6 hour
TOPCOAT Si-Rex03	Roller, Brush & Spray	8m ² /L	40um	30 min	6 hour

* Figures nominated are measured at 25°C & 50% RH. Drying times will be extended by reduced temperatures and increased relative humidity. Ambient temperature must not fall below 10°C during the drying period and RH must not exceed 85%.

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COLOUR

Si-Rex03 may be tinted to 10,000+ colours using Klaas ASF tinting system. These tinters are Zero VOC and APEO¹ free and will not contribute to the VOC of the base product after tinting. Please note that only inorganic pigments will provide lightfast performance in exterior applications.

PRODUCT INFORMATION

Finish	Matt <5%@60°
Density	1.38-1.41g/cm ³
VOC	<50g/L
Temperature Range*	10°C - 30°C
Clean Up	Water
Packaging	15 Litre Pail

PERFORMANCE

Liquid Water Transmission	<0.08kg/m ^{2h0.5 W-value}
Water Vapour Permeability	0.05m/cm ^{3 Sd-value}

WARRANTY

15 years against cracking, peeling & blistering where the product has been applied according to manufacturers displayed directions and in accordance with AS 2311, the painting of buildings.

NEW SURFACE PREPARATION

Surfaces to be painted must be clean, dry and free of contaminants, including dirt, grease, efflorescence, mould & mildew.

Allow new render, concrete to cure for a minimum of 28 days prior to application of Si-Prime prior to topcoating with Si-Rex03.

PREVIOUSLY PAINTED

Surfaces to be painted must be clean, dry and free of contaminants, including dirt, grease, efflorescence, mould & mildew.

Remove all peeling, cracking, loosely adhering material, sand smooth and dust down.

Repair any damaged area/s with appropriate fillers and prime using Klaas Underprep

SAFETY

Refer to Product Label and product MSDS 10-101

SPECIFICATION

Refer to Klaas specifications at www.klaascoatings.com.au

Product Code: 10-101

MANUFACTURERS DETAILS

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MADE IN AUSTRALIA

¹ **APEO (Alkylphenol ethoxylate)** is a degradation product which is very toxic to aquatic organisms. It is not easily degradable and has a tendency to bioaccumulation.

Note: The information presented is intended as a guide only and is correct to the best of our knowledge at the time of publication. It should not be considered as a definitive approval for suitability for a particular purpose. Specification details may change without notice.

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