

DESCRIPTION

SAKSHITHANE 510 is a two component; aliphatic isocyanate cured acrylic Matt finish paint.

PRINCIPAL CHARACTERISTICS

- **SAKSHITHANE 510** is suitable for use in new construction and as an industrial maintenance finish.
- Can be used in wide variety of environments including offshore structures, petrochemical facilities, and bridge, pulp and paper mills and in the power industry.
- **SAKSHITHANE 510** having excellent colour retention.
- **SAKSHITHANE 510** can be used as a top coat, over epoxy screed as a part of flooring system.
- **SAKSHITHANE 510** finishes giving excellent durability in outdoor exposure.

COLOURS AND GLOSS

Range and Matt Finish

BASIC DATA

Volume solids	55 ± 2 %
Recommended Dry Film Thickness	30-40 microns
Theoretical Spreading Rate	18.33m ² /L, for 30 µm DFT
Set to touch @ 30 °C	40 minutes
Hard dry @ 30 °C	12 hours
Over coating interval	Min. - 12hours Max - Extended
Pot life	2 hrs 30 minutes 30°C
Flash Point	Above 35° C
Product weight	1.17±0.03kg/litre (depends on shade)
Resistance to dry temperature	Up to 100°C
VOC	430g/lit (calculated)

VOC values are typical and are provided for guidance purposes only. These may be subject to variation depending on factors such as differences in colour and normal manufacturing tolerances

RECOMMENDED SUBSTRATE

SUBSTRATE CONDITIONS AND TEMPERATURES

- **SAKSHITHANE 510** should always be applied over a recommended anti corrosive coating scheme. The primer surface should be dry and free from all contamination and **SAKSHITHANE 510** must be applied within the overcoating intervals specified.
- Substrate temperature should be at least 3°C above dew point and maximum relative humidity should be 85%.

INSTRUCTIONS FOR USE

Mixing Ratio by volume: base to hardener 6 :1

- The temperature of the mixed base and hardener should preferably be above 15°C, otherwise extra solvent may be required to obtain application viscosity
- Too much solvent results in reduced sag resistance and slower cure
- Thinner should be added after mixing the components

AIRLESS SPRAY:

Recommended Thinner
Volume of Thinner

SAKSHITHINNER 500
0-3% depending on required thickness and application conditions

Nozzle Orifice
Nozzle Pressure

Approx. 0.43 – 0.58 mm (17 – 23 thou)
Approx. 155 kg / cm²; 2200 psi

AIR SPRAY

Recommended Thinner
Volume of Thinner

SAKSHITHINNER 500
0-5% depending on required thickness and application conditions

Nozzle Orifice
Nozzle Pressure

1.5 – 3.00 mm
Approx. 3 -4 bar; 43-57 psi

BRUSH/ROLLER

Recommended Thinner
Volume of Thinner

SAKSHITHINNER 500
Only for touch up and spot repair.
0-5 % as per requirement.

CLEANING SOLVENT

SAKSHITHINNER 500

SAFETY PRECAUTIONS

This is a solvent based paint and care should be taken to avoid inhalation of spray mist or vapour as well as contact between the wet paint and exposed skin and eyes.

ADDITIONAL DATA

Film Thickness and Spreading Rate

Theoretical spreading rate, m ² /l	18.33	13.75
Dft in µm	30	40

Maximum dft when brushing (touch up and spot repair) 30µm

Over coating table for DFT up to 40 µm

Substrate Temperature	20°C	30°C	40°C
Minimum interval	22 Hrs	12 Hrs	8 Hrs
Maximum Interval	Extended	Extended	Extended

SYSTEM COMPATIBILITY

: **SAKSHITHANE 510** Recommended Over the EPOXY & PU primers,

PACK SIZE SHELF LIFE

20, 10, & 4 LTR
12 months minimum at 25°C (77°F).Subject to re-inspection thereafter.
Store in dry, shaded conditions away from sources of heat and ignition

LIMITATION OF LIABILITY

The information in this data sheet is based upon laboratory tests we believe to be accurate and is intended for guidance only. All recommendations or suggestions relating to the use of the products made by SAKSHI COATING, whether in technical documentation or in response to a specific enquiry, or otherwise, are based on data which to the best of our knowledge are reliable. The products and information are designed for users having requisite knowledge and industrial skills and it is the end-user's responsibility to determine the suitability of the product for its intended use.

SAKSHI COATING has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. SAKSHI COATING does therefore not accept any liability arising from loss, damage or injury resulting from such use or the contents of this data sheet. The data contained herein are liable to modification as a result of practical experience and continuous product development. It is the user's responsibility to ensure that this sheet is current prior to using the product.1.2.2019