

<b>DESCRIPTION</b>	SAKSHI THANE 531 is a two component; Polyurethane aliphatic isocyanate cured UVresistant acrylic semi glossy finish paint.
<b>PRINCIPAL CHARACTERISTICS</b>	<ul style="list-style-type: none"><li>- SAKSHI THANE 531 is suitable for use in new construction and as an industrial maintenance finish.</li><li>- Can be used in wide variety of environments including offshore structures, petrochemical facilities, and bridge, pulp and paper mills and in the power industry.</li><li>- SAKSHI THANE 531 having excellent color retention under sunlight.</li><li>- SAKSHITHANE 531 can be used as a top coat, over epoxy screed as a part of flooring system.</li><li>- SAKSHITHANE 531 finishes giving excellent durability in outdoor exposure.</li></ul>
<b>COLOURS AND GLOSS</b>	Range and glossy
<b>BASIC DATA</b>	
Volume solids	51 ± 2 %
Recommended Dry Film Thickness	30-40 microns
Theoretical Spreading Rate	17m <sup>2</sup> /L, for 30 µm dft
Set to touch @ 30 °C	40 minutes
Hard dry @ 30 °C	12 hours
Over coating interval	Min. - hours Max - Extended
Pot life	3 hrs 30 minutes 30°C
Flash Point	23° C
Product weight	1.15±0.03kg/litre (depends on shade)
Resistance to dry temperature	Up to 100°C
<b>VOC</b>	430g/lt (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 531 should always be applied over a recommended anti corrosive coating scheme. The primer surface should be dry and free from all contamination and SAKSHITHANE 531 must be applied within the over coating 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 / cm<sup>2</sup>; 2200 psi

#### **AIR SPRAY**

Recommended Thinner  
Volume of Thinner

SAKSHI THINNER 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

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

#### **CLEANING SOLVENT**

SAKSHI THINNER 500

**SAFETY PRECAUTIONS**

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

**ADDITIONAL DATA****Film Thickness and Spreading Rate**

Theoretical spreading rate, m <sup>2</sup> /l	17.00	12.75
Dft in $\mu\text{m}$	30	40

Maximum dft when brushing (touch up and spot repair) 30 $\mu\text{m}$

**Over coating table for DFT up to 50  $\mu\text{m}$** 

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

**SYSTEM COMPATIBILITY**

: SAKSHITHANE 531 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.

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