

SAKSHITHANE 545 (2K PU CLEAR GLOSSY COATING)

DATA SHEET

DESCRIPTION

SAKSHI THANE 545 is a two component Polyurethane based high glossy clear lacquer or coating. Having excellent adhesion to metal and other surfaces.

PRINCIPAL CHARACTERISTICS

- Suitable for use to metal, wood and concrete surfaces.
- Can be used in wide variety of environments including offshore structures, petrochemical facilities, bridges, pulp and paper mills, and in the power industry.
- Provides good flexibility.
- Excellent abrasion resistance and easy to clean coating.
- Excellent UV light resistance coating.
- Excellent Gloss retention.

COLOURS AND GLOSS

Clear and Glossy.

BASIC DATA

Volume solids	45 ± 2 %
Recommended Dry Film Thickness	30 - 40 microns
Theoretical Spreading Rate	15.00m ² /l for 30 µm DFT
Surface dry @ 30 °C	40 minutes
Hard dry @ 30 °C	10hours
Over coating interval	Min 10 hours Max - Extended
Mixing Ratio	Base to Hardener, 9:1 by volume
Pot life	3 hours at 25 °C



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RECOMMENDED SUBSTRATE SUBSTRATE CONDITIONS AND TEMPERATURES

- Steel blast cleaned to SSPC SP10 or Sa 2 ½ (ISO 8501 – 1: 1998).
- Substrate temperature should be at least 3°C above dew point and maximum relative humidity should be 85%.

INSTRUCTIONS FOR USE

- 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 thinner results in reduced sag resistance and slower cure
- Thinner should be added after mixing the components

AIRLESS SPRAY:

Recommended Thinner
Volume of Thinner

SAKSHI THINNER 500
Up to 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

SAKSHI THINNER 500
Up to 8% 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

Only for touch up and spot repair.

Recommended Thinner
Volume of Thinner

SAKSHI THINNER 500
Up to 10 %

CLEANING SOLVENT

SAKSHI THINNER 500

SAFETY PRECAUTIONS

This is solvent based paint but 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.



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ADDITIONAL DATA

Film Thickness and Spreading Rate

Theoretical spreading rate, m ² /l	15	11.25
Dft in µm	30	40

Maximum DFT when brushing (touch up and spot repair) 40µm

Over coating table for DFT up to 40 µm

Substrate Temperature	20°C	30°C	40°C
Minimum interval	24 Hrs	10 Hrs	8 Hrs
Maximum Interval	Extended	Extended	Extended

Systems Compatibility

SAKSHITHANE 545 is designed for used over correctly primed steel
Suitable primers are: All Epoxy and PU Primers

Pack Size

20 LTR, 10 LTR and 4 LTR

Shelf Life

12 months minimum m at 30°C (86°F).

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 PVT LTD, 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 PVT LTD 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 PVT LTD does therefore not accept any liability arising from loss, damage or injury resulting from such use or the contents of this data sheet. **Date-JAN. 2019**

