

## DATA SHEET

### DESCRIPTION

**SAKSHI GARD 421** is two component Matt finish Epoxy Top coat.

### PRINCIPAL CHARACTERISTICS

- **SAKSHI GARD 421** is a general purpose epoxy finish coating for Industrial, Off-shore and Marine environments.
- **SAKSHI GARD 421** having good resistance to impact and abrasion.
- Resistance to water and splash of mild chemicals
- **SAKSHI GARD 421** as a cosmetic finish coat use on various substrates.
- Easy application by airless spray and brush/roller
- Suitable for application on concrete and steel structures
- **SAKSHI GARD 421** for use at new building, Maintenance & repair or On Board Maintenance.

### COLOURS AND GLOSS

Range and Matt

### BASIC DATA

Volume solids	45± 3%
Recommended Dry Film Thickness	40-50 microns (89-111 microns wet)
Theoretical Spreading Rate	11.25 m <sup>2</sup> /l, at for 40µm DFT
Surface dry @ 30 °C	2 hours
Hard dry @ 30 °C	12 hours
Over coating interval	Min 12 hours Max -extended
Product weight	1.17±0.05 kg/litre
VOC	512g/lit (calculated)

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### RECOMMENDED SUBSTRATE SUBSTRATE CONDITIONS AND TEMPERATURES

**SAKSHI GARD 421** should always be applied over a recommended primer coating scheme.  
The Primer surface should be dry and free from all contamination.  
**SAKSHI GARD 421** must be applied within the overcoating intervals specified.  
Substrate temperature should be at least 3°C above dew point, and curing Temperature should be above 10°C.

### INSTRUCTIONS FOR USE

#### Mixing Ratio by volume: Base to Hardener: 4:1

- The temperature of the mixed base and hardener should preferably be above 10°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

### INDUCTION TIME

10 minutes at 30°C

### POT LIFE

4 -5 hours at 30°C

### AIRLESS SPRAY

Recommended Thinner  
Volume of Thinner

SAKSHI THINNER 400  
0-5 % depending on required thickness and application conditions

Nozzle Orifice  
Nozzle Pressure

Approx. 0.38mm-0.53mm (15-21 thou)  
Approx. 176 kg /cm<sup>2</sup>; 2500 psi

### AIR SPRAY

Use suitable proprietary equipment.

Recommended Thinner  
Volume of Thinner

SAKSHI THINNER 400  
Thinning may be required

### BRUSH/ROLLER

Recommended Thinner  
Volume of Thinner

Application of brush and roller only for touch up and spot repairs.  
Multiple coats required to achieve specified film thickness.  
SAKSHITHINNER 400  
0-5% as per requirement.

### CLEANING SOLVENT

SAKSHI THINNER 400

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### 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 <sup>2</sup> /l	11.25	9.0
Dft in µm	40	50

### Over coating table

Substrate Temperature	20°C	30°C	40°C
Minimum interval	18 Hrs	12 Hrs	10 Hrs
Maximum Interval	extended	extended	extended

- Surface should be drv and free from chalking and contamination

### LIMITATIONS

In common in all epoxy based coating **SAKSHI GARD 421** will exhibit chalking of the film on UV exposure

### Systems Compatibility

**SAKSHI GARD 421** is designed for used over correctly primed steel  
Suitable primers are: Epoxy Primers

### Pack Size

20 LTR, 10 LTR and 4LTR

### Shelf Life

12 months minimum 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**