

## Korethane 300

### *Polyurethane Gloss Finish*

#### Product Description

Korethane 300 is a low VOC, high gloss polyurethane solvent based finishing coat. It provides good gloss retention and has good flow and levelling properties with excellent weathering resistance.

#### Recommended Use

Finishing coat for steel substrates where color and gloss retention is required in a wide range of exposed environments.

#### Product Information

Binder	: Polyurethane
No. of Components	: 2
Solids (% by Volume)	: 71 ± 2 %
Flash Point	: 27°C (when mixed)
Colour	: Standard colour range
Finish	: High Gloss

#### Application Information

Substrate	: Steel
Recommended No. of Coats	: 1
Recommended Wet Film Thickness	: 70 to 105 µm / Coat
Recommended Dry Film Thickness	: 50 to 75 µm / Coat
Theoretical Spreading Rate	: 9 to 14 m <sup>2</sup> / L / Coat
Specific Gravity	: Approx. 1.3

#### Application Methods

Applied By : Brush / Roller / Spray / Airless Spray

\* Brush and Roller recommended for stripe coating and small areas only

\* Airless Spray Recommended Tip Size: 0.53 - 0.63 mm (21 - 25 thou)

\* Airless Spray Recommended Pressure: 140 - 165 kg/cm<sup>2</sup> (2000 - 2400 psi)

Thinner : Thinner 70 (5% maximum addition)

Clean Up : Cleaner 12

#### Packaging & Storage

Packaging : 5.0 Litres (4.5 Litres Part A : 0.5 Litres Part B)

Shelf Life : 12 months - Unopened

Storage : Cool, dry and well ventilated area away from heat and direct sun light. Lid must be kept tightly closed.

Disclaimer : The above information is given to the best of our knowledge based on laboratory testing and practical experiences. The information in this data sheet may be subject to changes from time to time and without notice due to production refinements arising from continuing research and evaluation programmes, which may occasionally result in marginal changes in the coating properties.

## Technical Data Sheet - Korethane 300

Curing Time					
Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
15 °C	3 hours	10 hours	10 hours	Indefinite	3 hours
25 °C	2 hours	6 hours	6 hours	Indefinite	2 hours
35 °C	1 hours	3 hours	3 hours	Indefinite	1 hours

\*The properties above may vary with surface temperature, site environment, film thickness, etc.

Typical Painting System		
System	Product	No. of Coats
Primer	Recommended KCC Primer	1
Intermediate	Recommended KCC Intermediate (if applicable)	1
Finish	Korethane 310HS	1
Repair Coat	Touch up with Korethane 310HS	1

**Surface Preparation**  
All surface to be coated should be clean, dry and free from contamination as in accordance to ISO8504. Oil and greasre must be removed by solvent cleaning as in accordace to SSPC -SP1. Korethane 310HS should be applied over a KCC approved intermediate coat. The primed surface should also be clean, dry and free from all contamination. Korethane 310HS must be applied within the recommended overcoating intervals of the primer coat.

**Preapplication Conditions**

- 1) The surface temperature should be 3°C above the dew point and should not exceed 50°C.
- 2) The relative humidity should be between 60% and 85%.
- 3) Paint application shall not commence when there is a likelihood of an unfavourable change in weather condition within 2 hours after painting.
- 4) The Hardener (Part B) should be added to the Base (Part A) slowly while stirring with a mechanical agitator. Ensure all components are mixed together in a uniform and homogenous manner before application.

**Product Limitations**  
Korethane 310HS is not designed for continuous water immersion.  
For best results in gloss and finish, application by conventional spray is recommended.  
Gloss level of the dry film may vary depending on the application method. Using a mixture of application methods is not recommended in order to ensure a more consistent finish.  
Exposure to condensation/water before hard drying may result in the loss of gloss in the paint film.  
Volume solid values are stated for reference purposes only. Slight variations may occur depending on various factors such as colour and manufacturing tolerances.

**Safety Precaution**  
This product is flammable and must be kept away from any source of ignition. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately. Keep out of reach of children.

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