

Colythane 300

Polyurethane Gloss Finish

Product Description

A two pack high gloss acrylic polyurethane finish providing excellent gloss durability and long term recoatability. It also has good flow and leveling properties with excellent weathering resistance in wide range of exposed environment such as offshore structures, petrochemical plants, bridges, power plants, processing mills, etc.

Product Information

Finish	:	High Gloss
Color	:	RAL Standard Color Range
Component	:	2
Volume Solids	:	60 ± 2%
Specific Gravity	:	Approx 1.25 gr/ml (dependent on color shade)
Flashpoint	:	> 24 °C

Application Information

Wet Film Thickness (μ)	:	85 – 115 / Coat
Dry Film Thickness (μ)	:	45 – 75 / Coat
Theoretical Spreading Rate (m ² /L)	:	8 – 12
Mixing Ratio	:	A/B : 9/1 By Weight

Application Methods

Brush & Roller	:	Recommended for stripe coating and small areas only
Airless Spray	:	Recommended Tip Size: 0.43 – 0.53mm (17 – 21 thou) Recommended Pressure: 110 - 165 kg/cm ² (2000-2300 psi)
Thinner / Cleaner	:	Thinner 60

Drying & Curing Time					
Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
10 °C	2 hours	8 hours	24 hours	Indefinite	3 hours
25 °C	1 hours	4 hours	12 hours	Indefinite	2 hours
30 °C	30 minutes	2 hours	8 hours	Indefinite	1 hours

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

Packing & Storage

Packing	:	5.0 Liters (4.5 Liters Part A : 0.5 Liters Part B)
	:	20.0 Liters (18 Liters Part A : 2 Liters 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.



COLY COATING SDN BHD

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Surface Preparation

All surface to be coated should be clean, dry and free from contamination as in accordance to ISO 8504. Oil and grease must be removed by solvent cleaning as in accordance to SSPC -SP1.

Colythane 300 should always be applied over a recommended anti-corrosive coated surface. The coated surface should be clean, dry and free from all contamination. Colythane 300 must be applied with the recommended overcoating intervals of the preceding coat.

Recommended Painting System

Painting System	Product	
Primer	: Recommended Coly Epoxy Primer	1 Coat
Intermediate	: Recommended Coly Epoxy Intermediate	1 Coat
Finishing	: Colythane 300	1 – 2 Coats

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

Colythane 300 is not designed for continuous water immersion. For best result 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 curing may result in the loss of gloss in the paint film. Volume solid values are stated for reference purposes only. Slight variation 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.

Disclaimer: The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, since we cannot anticipate or control the many conditions under which our product by be used, we can only guarantee the quality of the product itself. We reserve the right to alter the given data without prior notice.



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