

ColyHeatshield 920

Heat Resisting Aluminium

Product Description

A Single component modified alkyd aluminium solvent based finishing coating. It contains aluminium leafing pigment for enhanced heat resistance for steel substrates with temperature exposures of up to 200 °C. it widely use at industrial environment such as power stations, petrochemical plants, oil and gas offshore facilities, etc.

Product Information

Finish	:	Glossy
Color	:	Aluminium
Component	:	1
Volume Solids	:	35%
Specific Gravity	:	1.02 gr/ml
Flashpoint	:	> 25 °C

Application Information

Wet Film Thickness (μ)	:	60 – 125 / Coat
Dry Film Thickness (μ)	:	20 – 45 / Coat
Theoretical Spreading Rate (m ² /L)	:	8.1 – 16

Application Methods

Brush & Roller	:	Recommended method of application
Conventional Spray	:	Recommended method of application
Airless Spray	:	Not Recommended
Thinner / Cleaner	:	Thinner C30

Drying & Curing Time

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
10 °C	4 hours	48 hours	16 hours	Indefinite	-
25 °C	2 hours	24 hours	10 hours	Indefinite	-
30 °C	1 hours	24 hours	8 hours	Indefinite	-

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

Packing & Storage

Packing	:	5.0 Liters
	:	20.0 Liters
Shelf Life	:	12 Months (Unopened)
Storage	:	Cool, dry and well ventilated area away from heat and direct sun light. Lid must be keep 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.

Abrasive blast clean to Sa 2.5 (ISO 8501) or SSPC-SP6 or power toll clean to St.3 is recommended. If oxidation has occurred between blasting and application, the surface should be reblasted to specified visual standard. A surface profile of 25 to 50 microns is recommended.

Recommended Painting System

Painting System	Product	
Primer	: ColyHeatshield 920	1 Coat
Intermediate	: ColyHeatshield 920	1 Coat
Finishing	: ColyHeatshield 920	1 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) Stir paint with a mechanical stirrer until uniformly mixed prior to application

Product Limitations

ColyHeatshield 920 is not recommended for continuous immersion. Excessive thickness or over application of ColyHeatshield 920 can lead to improper curing of paint film which will require complete removal of the affected areas via abrasive blasting. Best results in terms of sheen and color appearance will always be obtained by conventional spray applications. Appearance may vary depending on application method used. Using mixture of application methods is not recommended.

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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