

ColyPotar 520

Coal Tar Epoxy

Product Description

A high build epoxy polyamide combined with coal tar designed for use on hard-wearing, and outstanding resistance to fresh, salt, wastewater and chemical. It widely used for the protection of steel and concrete pipelines, pilings, water gates and jetties in all submerged, semi-submerged and buried environments.

Product Information

Finish	:	Matt
Color	:	Black
Component	:	2
Volume Solids	:	80 ± 2%
Specific Gravity	:	1.47 gr/ml
Flashpoint	:	> 25 °C

Application Information

Wet Film Thickness (μ)	:	120 – 380 / Coat
Dry Film Thickness (μ)	:	90 – 320 / Coat
Theoretical Spreading Rate (m ² /L)	:	3.0 – 8.2
Mixing Ratio	:	A/B : 90/10 By Weight 84/16 By Volume

Application Methods

Brush & Roller	:	Multi coats are required to achieve specified DFT.
Airless Spray	:	Recommended Tip Size: 0. 48 – 0.78mm (21 – 25 thou) Recommended Pressure: 110 - 165 kg/cm ² (2000-2400 psi)
Thinner / Cleaner	:	Thinner 50

Drying & Curing Time					
Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
10 °C	6 hours	24 hours	24 hours	Indefinite	8 hours
25 °C	3 hours	12 hours	12 hours	Indefinite	4 hours
30 °C	1 hours	8 hours	8 hours	Indefinite	2 hours

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

Packing & Storage

Packing	:	5.0 Liters (4 Liters Part A : 1 Liters Part B)
	:	20.0 Liters (15 Liters Part A : 5 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 keep tightly closed.



COLY COATING SDN BHD

No. 421-B Batu 14, Jalan Kapar, 42200 Kapar Klang, Selangor Darul Ehsan

Tel.603 3259 3905; Fax. 603 3259 3904; e-mail: enquiry@colycoating.com ; Web-site : www.colycoating.com

Surface Preparation

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

Abrasive blast clean to Sa 2.5 (ISO 8501-1:2007) or SSPC - SP6. If oxidation has occurred between the blasting time and application of ColyPotar 520, the surface should be reblasted to the specified visual standard.

A surface profile of 40 to 75 microns is recommended.

Recommended Painting System

<u>Painting System</u>	<u>Product</u>
Primer	: ColyPotar 520 1 Coat
Intermediate	: ColyPotar 520 1 Coat
Finishing	: ColyPotar 520 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) 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

For immersion service, ColyPotar 520 must be applied to bare steel surfaces abrasive blast cleaned to Sa 2.5 with a minimum total dry film thickness of 250 microns and a maximum overcoating interval of 3 days at 35 deg. C.

In common with all epoxies, ColyPotar 520 will chalk and discolour on external exposure and weathering. This phenomenon is not detrimental to the anti-corrosive performance.

Maximum film build in a single coat is best achieved by airless spray. For brush and roller applications, multiple coats will be required to achieve the required DFT.

ColyPotar 520 is not suitable for overcoating with other finishes as the product has the tendency to bleed.

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.



COLY COATING SDN BHD

No. 421-B Batu 14, Jalan Kapar, 42200 Kapar Klang, Selangor Darul Ehsan

Tel.603 3259 3905; Fax. 603 3259 3904; e-mail: enquiry@colycoating.com ; Web-site : www.colycoating.com