

## Korepox 173

### Coal Tar Epoxy

#### Product Description

Korepox 173 is a coal tar epoxy finishing coat. It has high build for hard-wearing and outstanding resistance to fresh, salt and waste water. It is compatible with controlled sacrificial cathodic protection systems.

#### Recommended Use

Protective coat for steel and concrete pipelines, pilings, water gates and jetties in all submerged, semi-submerged and buried environments.

#### Product Information

Binder	: Coal Tar Epoxy
No. of Components	: 2
Solids (% by Volume)	: 73 ± 2 %
Flash Point	: 27°C (when mixed)
Colour	: Black
Finish	: Matt

#### Application Information

Substrate	: Steel / Concrete
Recommended No. of Coats	: 1
Recommended Wet Film Thickness	: 275 to 410 µm / Coat
Recommended Dry Film Thickness	: 200 to 300 µm / Coat
Theoretical Spreading Rate	: 2 to 3.7 m <sup>2</sup> / L / Coat
Specific Gravity	: Approx. 1.18

#### 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 56 (5% maximum addition)

Clean Up : Cleaner 12

#### Packaging & Storage

Packaging : 5.0 Litres (4.5 Litres Part A : 0.5 Litres Part B)  
20.0 Litres (16.0 Litres Part A : 4.0 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.

## Technical Data Sheet - Korepox 173

Curing Time					
Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
15 °C	12 hours	24 hours	24 hours	Indefinite	12 hours
25 °C	9 hours	16 hours	16 hours	Indefinite	6 hours
35 °C	6 hours	8 hours	8 hours	Indefinite	3 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	Korepox 173	1
Repair Coat	Touch up with Korepox 173	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. Korepox 173 should be applied over a KCC approved primer coat. The primed surface should also be clean, dry and free from all contamination. Korepox 173 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

Korepox 173 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.

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.