

## Korepox 515P

### Zinc Rich Epoxy Primer

#### Product Description

Korepox 515P is zinc rich epoxy solvent based primer. It provides good adhesion properties, easily applied with air assisted and airless spray and complies with the composition and performance requirements of SSPC Paint 20.

#### Recommended Use

Zinc rich pigmented primer coat providing maximum protection to abrasive blasted steel substrates in highly corrosive environments including offshore platforms, refineries, petrochemical plants, power plants, pulp and paper mills, bridges, jetties, terminals, etc.

#### Product Information

|                      |                     |
|----------------------|---------------------|
| Binder               | : Epoxy             |
| No. of Components    | : 2                 |
| Solids (% by Volume) | : 60 ± 2 %          |
| Flash Point          | : 12°C (when mixed) |
| Colour               | : Grey              |
| Finish               | : Matt              |

#### Application Information

|                                |                                     |
|--------------------------------|-------------------------------------|
| Substrate                      | : Steel                             |
| Recommended No. of Coats       | : 1                                 |
| Recommended Wet Film Thickness | : 85 to 125 µm / Coat               |
| Recommended Dry Film Thickness | : 50 to 75 µm / Coat                |
| Theoretical Spreading Rate     | : 8 to 12 m <sup>2</sup> / L / Coat |
| Specific Gravity               | : Approx. 2.65                      |

#### 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: 0.43 - 0.58 mm (17 - 23 thou)

\* Airless Spray Recommended Pressure: 110 - 160 kg/cm<sup>2</sup> (1600 - 2300 psi)

Thinner : Thinner 100 (5% maximum addition)

Clean Up : Cleaner 12

#### Packaging & Storage

Packaging : 5.0 Litres (4 Litres Part A : 1 Litre 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 - Korepox 515P

| Curing Time           |           |          |                      |            |          |
|-----------------------|-----------|----------|----------------------|------------|----------|
| Substrate Temperature | Touch Dry | Hard Dry | Overcoating Interval |            | Pot Life |
|                       |           |          | Minimum              | Maximum    |          |
| 15 °C                 | 35 mins   | 4 hours  | 24 hours             | Indefinite | 24 hours |
| 25 °C                 | 30 mins   | 3 hours  | 16 hours             | Indefinite | 12 hours |
| 35 °C                 | 25 mins   | 2 hours  | 8 hours              | Indefinite | 6 hours  |

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

| Typical Painting System |  |              |
|-------------------------|--|--------------|
| System                  | Product  | No. of Coats |
| Primer                  | Korepox 515P                                       | 1            |
| Intermediate            | Recommended KCC epoxy intermediate coat            | 1            |
| Finish                  | Recommended KCC epoxy or polyurethane finish       | 1            |
| Repair Coat             | Touch up using either Galvany 800 or K'Mastic 5000 | 1            |

**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 accordace to SSPC - SP1. Surface preparation must be done via abrasive blast cleaning to a cleanliness standard of Sa 2 ½ (ISO 8501:1 - 1:2007) or SSPC - SP6. A surface profile of 40 to 75 microns is recommended. If oxidation has occured between the blasting time and application of Korepox 515P, the surface should be reblasted to the specified visual standard.

**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**  
Excessive thickness or over applications of Korepox 515P can lead to mud cracking which will require complete removal of the affected areas via abrasive blasting. Maximum film build in a single coat is best achieved by airless spray. For brush and roller applications, multiple coats will be requiried to achieve the required DFT.

**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 immediatly be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediatly. Keep out of reach of children.

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