

Korepox Holding Primer EP170QD (Two-Component)



Product Description A two-component, polyamide cured epoxy primer which contains excellent anti-corrosive pigments to protect all internal and external blasted steel from corrosion. It cures to a strong and highly rust preventing coat.
Approved as Fire Retardant coating by Det Norske Veritas (DNV, CE Marking).

Recommended Use As a holding primer for use under two component epoxy coatings such as Korepox and Korepotar system on all types of blasted steel where appropriate protective coating can be done immediately after abrasive blast cleaning.

Physical Properties

Finish and Color Flat. Red Brown (2263), Light Grey

| Drying Time | Substrate temperature | 5 °C/41 °F | 20 °C/68 °F | 30 °C/86 °F |
|-------------|-----------------------|------------|-------------|-------------|
| | Set to touch | 3 h | 30 min | 30 min |
| Dry through | 30 h | 4 h | 3 h | |

* The actual drying time is subject to the film thickness, ventilation, humidity etc., and drying time under other temperature conditions should be checked and informed by KCC.

Solids by Volume Approx. 45 % (Determined by ISO 3233)

Theoretical Spreading Rate 12.86 m²/L in 35 μm dry film thickness on a smooth surface.

Specific Gravity Approx. 1.30 for Mixture of Base and Curing agent.

Flash Point Base (EP170QD PTA) : 15 °C/59 °F (Closed cup)
Curing Agent (EP170QD PTB) : 15 °C/59 °F (Closed cup)

Application Details

Surface Preparation Remove any oil, grease, dirt and any other contaminants from the surface before painting by proper method such as solvent cleaning and fresh water washing, etc.
* Steel : Blast cleaning to Sa2.5 or Power tool cleaning to St3, etc.

Application Conditions The surface should be completely cleaned and dried. Do not apply when relative humidity is above 85 %. The surface temperature should be at least 2.7 °C (5 °F) above dew point to prevent condensation. In confined areas, ventilate with clean air during application to assist solvent evaporation.

Mixing Base (Part A) : Curing Agent (Part B) = 4 : 1 (by volume)
Mix thoroughly together prior to application in the proportions with power agitator as delivered.

Pot Life 8 h at 20 °C/68 °F

Thinning Thinner No. 053, 024 or Other thinner approved by KCC
Do not dilute the components separately.

This data is believed to be accurate but without any obligation

Please consult with our technical department for detail information . .

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| Application Method | Spray (Airless or Air), Roller or Brush application. For airless spray application ; Nozzle orifice : 483 μm ~ 584 μm (0.019" ~ 0.023") Output pressure : 11.7 ~ 15.2 MPa Fan : 60° (Airless spray data are indicative and subject to adjustment) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|-----------|-----------|-----------|-----------|--|-------|---------|----------|-------|-------|-------------------|------|------|------|-----------|-----------|-------|-----------|-----------|-----------|-----------|-----------|-----------|------|------|------|------|------|
| Typical Film Thickness | 35 μm dry. Depending on the purpose and the area of use, different film thickness may be applied. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Recoating Interval | At 20 °C / 68 °F, Minimum : 6 h Maximum ; - Immersion : 20 d - Non-immersion : 90 d Before overcoating, remove the oil, salt, chalking material and any other contaminants on aged coating film completely by proper cleaning method such as solvent cleaning and/or fresh water washing. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subsequent Coat | Korepox EH2350 or EH2351, Korepox H.S. EH4158H, Korepox H.B. EH6270H, Korepox Topcoat H.B. ET5740, Korepox Topcoat H.B. ET5745, Korepox Enamel ET574, or according to specification. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shelf Life | 12 months | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heat Resistance | Continuous : 93 °C / 200 °F (Non-immersion service) Non-continuous : 121 °C / 250 °F (Non-immersion service) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chemical Resistance | <table border="1"> <thead> <tr> <th></th> <th>Acids</th> <th>Alkalis</th> <th>Solvents</th> <th>Salts</th> <th>Water</th> </tr> </thead> <tbody> <tr> <td>Splash & Spillage</td> <td>Good</td> <td>Good</td> <td>Good</td> <td>Excellent</td> <td>Excellent</td> </tr> <tr> <td>Fumes</td> <td>Very Good</td> <td>Very Good</td> <td>Very Good</td> <td>Excellent</td> <td>Excellent</td> </tr> <tr> <td>Immersion</td> <td>Fair</td> <td>Good</td> <td>Fair</td> <td>Good</td> <td>Good</td> </tr> </tbody> </table> | | | | | | Acids | Alkalis | Solvents | Salts | Water | Splash & Spillage | Good | Good | Good | Excellent | Excellent | Fumes | Very Good | Very Good | Very Good | Excellent | Excellent | Immersion | Fair | Good | Fair | Good | Good |
| | Acids | Alkalis | Solvents | Salts | Water | | | | | | | | | | | | | | | | | | | | | | | | |
| Splash & Spillage | Good | Good | Good | Excellent | Excellent | | | | | | | | | | | | | | | | | | | | | | | | |
| Fumes | Very Good | Very Good | Very Good | Excellent | Excellent | | | | | | | | | | | | | | | | | | | | | | | | |
| Immersion | Fair | Good | Fair | Good | Good | | | | | | | | | | | | | | | | | | | | | | | | |
| Standard Packing Unit | 16 L (EP170QD PTA : 12.8 L, EP170QD PTB : 3.2 L) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks | Do not store at temperature below 5 °C / 41 °F or above 40 °C / 104 °F. Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Respiratory protection is recommended when applying this product in confined spaces or stagnant air. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Issued | March 2012 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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