Korepox Holding PrimerEP170QD (Two-Component) DATA-SHEET

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 & Germanishier Lloyd (DNV·GL).

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
Specific gravity	Approx. 1.30 for Mixture of Base and Curing agent
Solids by volume	Approx. 45 % (Determined by ISO 3233)
Spreading rate (Theoretical)	12.86 ㎡/L in 35 ㎛ dry film thickness on a smooth surface.
Flash point	Base (EP170QD PTA) : 15 ℃/59 °F (Closed cup) Curing Agent (EP170QD PTB) : 15 ℃/59 °F (Closed cup)
VOC	Max. 490g/L (Determined by ISO 11890-1)

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 Sa2, etc.
Preceding coat	According to specification.
Method of application	Spray : Airless or Air spray Brush and Roller : Recommended for small area and stripe coating for specified edges, welds, hard to reach areas, etc. For airless spray application ; Nozzle orifice : 483 ㎛ ~ 584 ㎛(0.019″ ~ 0.023″) Output pressure : 11.7 MPa ~ 15.2 MPa Fan : 40° ~ 60° (Airless spray data are indicative and subject to adjustment)
Mixing	Base (Part A) : Curing Agent (Part B) = 4 : 1 (by volume) • Mix with supplied mixing ratio only. Do not vary or subdivide. • Before mixing, shake or stir the Base very thoroughly. • Pour the curing agent into the Base with constant mechanical stirring.

	Do not mix in reverse order. Continuous stirring until mixture is free of lumps.
Thinning	Product Name : Thinner No. 024 or Other thinner approved by KCC Thinning Ratio : Max. 10% (by volume) * Do not dilute each component separately
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 ℃ (5 °F) above dew point to prevent condensation. In confined areas, ventilate with clean air during application to assist solvent evaporation.
Film thickness	35 ㎛ dry. Depending on the purpose and the area of use, different film thickness may be applied.
Drying time	

Substrate temperatur	5℃/41°F	20℃/68°F	30℃/86°F
Set to touch	3 h	30 min	30 min
Dry through	30h	4h	3h

	* These are the results from laboratory tests done under standardized conditions. Thus, actual times may be different due to environment situations such as weather, wind and humidity, etc
Subsequent Coat	According to specification.
Pot life	8 h at 20 ℃/68 °F
Recoating interval	At 20 ℃/ 68 °F, Minimum : 6 h Maximum ; - Immersion : 20 d - Non-immersion : 90 d Prior to 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.
Heat resistance temperature	Continuous : 93 ℃/200 °F (Non-immersion service) Non-continuous : 121 ℃/250 °F (Non-immersion service)

Storage and package

Shelf life	EP170(QD)PTA(Base) : 12 months (at 23 °C) EP170(QD)PTB(Curing agent) : 24 months (at 23 °C)
Packing Unit	15 L (EP170QD PTA : 12 L, EP170QD PTB : 3 L)

Remarks

Note	Do not store at temperature below 5 ℃/41 °F or above 40 ℃/104 °F. Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Adequate ventilation with clean air should be maintained during application and curing to assist solvent evaporation. Respiratory protection is recommended when applying this product in confined spaces or stagnant air.
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Disclaimer : The information in this data sheet is believed to the best of our knowledge based on laboratory test and practical experience. However, there are many factors affecting the performance of product and the product quality itself, so we are not

able to guarantee without the confirmation of the purpose of using the product from us in writing. We reserve the right to change the data without notice and you should check that this data sheet is current prior to using the product.