Koline TankShield EH2700 (2액형)

DATA-SHEET

A two-component, bimodal epoxy resin based heavy-duty coating with excellent resistance to wide range of chemicals, solvents, caustics, crude and fuel oils, animal and vegetable oil and fats, alkaline and non-oxidizing salt solution.

Recommended use	As a tank lining coat for ship's cargo tanks, barges, road tankers and storage tanks in the chemical and petrochemical industries.

Physical Properties

Finish and Color	Semi-gloss. Grey, Cream
Specific gravity	Approx. 1.61 for Mixture of Base and Curing agent.
Solids by volume	Approx. 80 % (Determined by ISO 3233)
Spreading rate (Theoretical)	5.3 ㎡/L in 150 ㎛ dry film thickness on a smooth surface.
Flash point	Base (EH2700-A) : 27 ℃ / 80.6 °F (Closed cup) Curing Agent (EH2700-B) : 22 ℃ / 71.6 °F (Closed cup)
Chemical Resistance	Refer to KCC Chemical Resistance list.

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, etc.
Preceding coat	Koline TankShield EH2700
Method of application	Spray (Airless or Air), Roller or Brush application. For airless spray application ; Nozzle orifice : 483 ㎛ ~ 686 ㎛ (0.019″ ~ 0.027″) Output pressure : 11.7 MPa ~ 15.2 MPa Fan : 40 º ~ 60 º (Airless spray data are indicative and subject to adjustment) * For more detail information, please refer to KCC's tank lining guide.
Mixing	Base (Part A) : Curing Agent (Part B) = 6.1 : 1 (by volume) Mix thoroughly together prior to application in the proportions with power agitator as delivered.
Thinning	No Thinning
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. * For more detail information, please refer to KCC's tank lining guide.
Film thickness	150 ㎛ dry. Depending on the purpose and the area of use, different film thickness may be applied.
Drying time	(see table below)

Substratetemperature	15°C/59°F	20°C/68°F	30°C/86°F
Set to touch	32h	24h	10h
Dry through	40h	30h	15h

* 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.

Pot life	1 h 30min at 20 ℃ /68°F
Recoating interval	At20 ℃ / 68 °F, Minimum : 35 h Maximum : 4.5 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.

Storage and package

Shelf life	12 months
Packing Unit	16 L (EH2700-A : 13.7 L, EH2700-B : 2.3 L) 18 L (EH2700-A : 15.5 L, EH2700-B : 2.5 L)

Remarks

Handling Precautions	
Note	Do not store at temperature below 15 ℃ / 59 °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. Respiratory protection is recommended when applying this product in confined spaces or stagnant air.
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