KOREPOX TOPCOAT
ET5775(Two-Components)

Product Description

KOREPOX ET5775 is a two-component, epoxy resin based paint, which effectively reduces corrosion of the concrete and pollution of the interior concrete tank. Also, it forms hard and high gloss film with excellent adhesion and resistance to water. It may be used in contact with food products and for fresh (potable) water tank in accordance with FDA regulation, section 175.300.

Recommended Use

As a finishing coat for interior of the concrete tank for potable water such as an apartment, a factory, etc.

Physical Properties

Finish and Color

Gloss. Blue, Grey

Drying Time

Substrate temperature	10 ℃/50 °F	20 ℃/68 °F	30 ℃/86 °F
Set to touch	10 h	2 h	2 h
Dry through	48 h	24 h	20 h
Fully cured	10 d	7 d	5 d

* 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. 98 % (Determined by ISO 3233)

Theoretical Spreading Rate

9.8 ㎡/L in 100 ㎛ dry film thickness on a smooth surface.

Specific Gravity

Approx. 1.1 ~ 1.3 for Mixture of Base and Curing agent.

Flash Point

Base (ET5775-A) : 51 ℃/ 124 °F (Closed cup)
Curing Agent (ET5775-B) : 40 ℃/ 104 °F (Closed cup)

Application Details

Surface Preparation

Remove oil and other contaminants with fresh water from the surface to be coated.
Concrete : Must be cured at least 28 days at 20℃/68°F and below 50%RH. The laitance and other impurities of surface must be removed by grinding or abrasive blasting.

Preceding coat

KOREPOX PRIMER EP1775 or according to specification

Application Conditions

Preferred temperature during application is 10℃/50°F ~ 30℃/86°F, relative humidity below 85%.
When a relative humidity is above 85%, the drying time may be delayed

Mixing

Base (ET5775-A) : Curing agent (ET5775-B) = 8.6 : 3.4 (by volume).
Mix separately, then combine together and mix thoroughly prior to application in proportions as delivered.

Pot life

At 20℃ / 68°F, 50 min.

KOREPOX TOPCOAT ET5775 (Two-Component)

Thinning	None. Thinner No. TH0375 Max 5% or Other thinner approved by KCC (if necessary) Do not dilute components separately, only the mixture.
Application Method	Roller, Brush application. For application on the damp concrete, use brush or roller application.
Typical Film Thickness	Recommended per coat 100 microns dry. (Total : 200 microns dry film thickness is recommendable) May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate and may influence drying time and recoating interval.
Recoating Interval	At 20 ℃/68 ℉, Minimum : 24 h 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.
Subsequent Coat	According to specification.
Shelf Life	12 months Store in cool, dry, well-ventilated place.
Standard Packing Unit	12.0 L (ET5775-A : ET5775-B = 8.6 L : 3.4 L)
Remarks	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	January 2012

KOREPOX PRIMER
EP1775(Two-Components)

Product Description

KOREPOX EP1775 is a two-component, epoxy resin based paint, which effectively reduces corrosion of the concrete and pollution of the interior concrete tank. Also, it can be applied directly on the damp concrete surface. It provides excellent adhesion to concrete. It assures excellent sealing and tight adhesion between the concrete and subsequent coat KOREPOX TOPCOAT ET5775. It may be used in contact with food products and for fresh (potable) water tank in accordance with FDA regulation, section 175.300.

Recommended Use

As a primer / sealer for interior of the concrete tank for potable water such as an apartment, a factory, etc.

Physical Properties

Finish and Color

High Gloss. Clear

Drying Time

Substrate temperature	10 ℃/50 ˚F	20 ℃/68 ˚F	30 ℃/86 ˚F
Set to touch	6 h	4 h	2 h
Dry through	36 h	24 h	16 h
Fully cured	10 d	7 d	5 d

* 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. 98 % (Determined by ISO 3233)

Theoretical Spreading Rate

9.8 ㎡/L in 100 ㎛ dry film thickness on a smooth surface.

Specific Gravity

Approx. 1.05 for Mixture of Base and Curing agent.

Flash Point

Base (EP1775-A) : 32 ℃/ 90 ˚F (Closed cup)
Curing Agent (EP775-B) : 40 ℃/ 104 ˚F (Closed cup)

Application Details

Surface Preparation

Remove oil and other contaminants with fresh water from the surface to be coated.
Concrete : Must be cured at least 28 days at 20℃/68˚F and below 50%RH. The laitance and other impurities of surface must be removed by grinding or abrasive blasting.

Preceding coat

None

Application Conditions

Preferred temperature during application is 10℃/50˚F ~ 30℃/86˚F, relative humidity below 85%.
When a relative humidity is above 85%, the drying time may be delayed

Mixing

Base (EP1775-A) : Curing agent (EP1775-B) = 8.2 : 3.8 (by volume).
Mix separately, then combine together and mix thoroughly prior to application in proportions as delivered.

Pot life

At 20℃ / 68˚F, 50 min.

KOREPOX PRIMER EP1775 (Two-Component)

Thinning	None. Thinner No. TH0375 or Other thinner approved by KCC (if necessary) Do not dilute components separately, only the mixture.
Application Method	Roller, Brush application. For application on the damp concrete, use brush or roller application.
Typical Film Thickness	Recommended per coat 100 microns dry. May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate and may influence drying time and recoating interval.
Recoating Interval	At 20 ℃/68 ˚F, Minimum : 24 h 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.
Subsequent Coat	According to specification.
Shelf Life	12 months Store in cool, dry, well-ventilated place.
Standard Packing Unit	12.0 L (EP1775-A : EP1775-B = 8.2 L : 3.8 L)
Remarks	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	January 2012