KOREPOX H.B TOPCOAT ET5635(H)

KOREPOX H.B TOPCOAT ET5635(H) is a two-comonent, epoxy resin based self-levelling type solventless paint as environmental friendly coating. It has excellent anti-defoaming and self-levelling even.
Also, it forms hard, tough and smooth film, and has excellent durability, resistance to chemicals, abrasion and impact.

Recommended Use

As a heavy duty topcoat on concrete floors subjected to heavy wear and tear.
Use where high impact and chemical resistance in loading areas is required.
Excellent for laboratory floors, nuclear power plant, hospital, electronic, chemical plant, pharmaceutical, etc.

PHYSICAL PROPERITES

Finish and Color

Gloss. Green, Grey

Other colors are available on request.

Drying Time

	5 ℃	10 ℃	20 ℃	30 ℃
Set to touch	**10 hr**	**6 hrs**	**3 hrs**	**2 hrs**
Dry thuough	**45 hrs**	**30 hrs**	**17 hrs**	**12 hrs**
Fully cured	**9 days**	**6 days**	**4 days**	**3 days**

Solid by Volume

Appox. 96%

Spreading Rate (Theoretical)

1.04 L/m^2 in 1000 microns dry film thickness on a smooth Surface
2.08 L/m^2 in 2000 microns dry film thickness on a smooth Surface
3.12 L/m^2 in 3000 microns dry film thickness on a smooth Surface

Specific Gravity

Mixed : 1.4 ~ 1.5 (kg/L) according to color.

Flash Point

Above 25℃ (Closed cup)

APPLICATION DETAILS

Substrates Preparation

Remove any oil and grease from surface to be coated with clean rag soaked in Thinner No.003 or Toluene.
Do not apply coating unless concrete has cured at least 28 days at 20℃/68˚F and below 80 % R.H or equivalent.
Moisture content of the concrete surface must be below 6%
This can be accomplished by finishing technique, abrasive blasting, grinding or acid-etching

Preceding Coat

KOREPOX PRIMER/SEALER EP118 or according to specification.
To avoid blistering on the porous surface, apply to 500 microns with scraping prior to application.

Application condition

Temperature during application and curing preferable 10℃~28℃/50˚F~82˚F, and relative humidity is below 85%.
The surface temperature should be at least 3℃(37˚F) above dew point to prevnet condensation.

Mixing

Base(PTA) : Curing Agent(PTB) = 12.5 : 3.5 (by volume)
Mix separately, then combine together and mix thoroughly with high speed dissolver for 2~3 minutes in the proportions as delivered.
After move in other container, mix again for 2~3 minutes.
Mix only amount which can be used in pot life.

Pot Life & Recoating Interval

		5 ℃	10 ℃	20 ℃	30 ℃
Pot Life		**45 mins.**	**40 mins.**	**30 mins.**	**25 mins.**
Recoating Interval	**Min.**	**45 hrs**	**30 hrs.**	**17 hrs.**	**12 hrs.**
	Max.	**9 days**	**6 days**	**4 days**	**3 days**

Thinning

Do not dilute
* Caution *
1) If paint viscosity is high at low temperature and it is difficult to get good appearance, use 024(thinner) within 3%
2) Do not use 024(thinner) over than 3% to avoid Alligatoring, Amine Blushing and Wrinkle etc.

Method of application

Rake and Spatula.

Film thickness

Recommended per coat 1000~3000 microns dry.

Subsequent Coat

1) Summer(above 10℃) : None
2) Winter(below 10℃) : ET566 (Korepox Topcoat)

Shelf Life

12 months (Store in cool, dry, well-ventilated place.)

Packaging unit

16 L [Base(PTA): Curing Agent(PTB) = 12.5 L : 3.5 L]

Remarks	Protect skin and eyes, and avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Respiratory protection is recommended when applying this material in confined spaces or stagnant air
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