TECHNICAL DATA SHEET

EPOXY FLOORING COATING FX-FLB3001

Epoxy Flooring Coating

- PRODUCE NAME : Epoxy Flooring coating
- PRODUCT CODE : FX-FLB3001
- Color after mixture: Gray/White/Customized Color

The product is a two-part, 100% solids, eco-friendly epoxy floor coating.
It is can be used for priming of surfaces prior to applying epoxy or self-leveling cementitious mortars and for the final top coating.
It serves to protect and coat concrete floors, whether for civil or industrial use, as well as cementitious substrates in general.
It is resistant to most oils, fuels, battery acids and common detergents. Typical applications areas include warehouses, production facilities, utility rooms, equipment rooms and shipping and receiving areas.
It is well suited for use in auto service centers, auto assembly plants, machine shops and plastic fabrication facilities.

FEATURES

- ✓ Eco-friendly formula.
- ✓ No filler and toluene.
- ✓ Penetrable 2~3 mm and reinforce cement.
- ✓ Easily mixed with a drill and mixing blade.
- ✓ Excellent resistance to various automotive fluids
- ✓ Maintaining life more than 25 years.

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TYPICAL CURING PERFORMANCE

Curing Properties	
Gel Time @ 25 °C:	40 to 50 mins
Cure Time @ 25 °C:	24 to 32 hrs
Recoat Time @ 25 °C (hrs):	<36 hrs

Curing Properties			
Temperature	10°C(50F)	24°C(75F)	32°C(90F)
Pot Life	50 min	30 min	20 min
Working time	70 min	55 min	30 min
Tack Free time	22 hrs	8 hrs	4 hrs
Hard Foot Traffic	50 hrs	28 hrs	12 hrs
Hard Truck Traffic	64 hrs	36 hrs	16 hrs

TECHNICAL DATA

Epoxy Flooring Coating	
Tensile Strength	3370 psi
Flexural Strength	7200 psi
Tensile Elongation	1%
Shrinkage	0%
Shore Hardness	80~85 Share D
Chemical Resistance:	Impervious to water, alcohol and most other chemicals.
Heat resistance once cured:	Suitable for applications up to 160°C

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STORAGE CONDITION & SHELF-LIFE

- 24 months from date of production if stored properly in original unopened, sealed and undamaged packaging in cool and dry conditions at temperatures between +5°C and +25°C.
- Protect from direct sunlight.

APPLICATION INSTRUCTIONS

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.
For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

During the application process, always wear appropriate personal protective equipment, such as gloves, safety goggles, and protective clothing, to ensure safety.

Surface Preparation

· New concrete must be firm, clean, and free of any adverse moisture conditions. The surface must have an appropriate surface profile and be well-cured (30 days at temperatures over 25°C). Shot blasting, mechanical scarification, chemical means or sandblasting should be used to prepare the substrate.
· Older, uncoated concrete is prepared in the same manner as new concrete. Before preparation, the concrete must be thoroughly cleaned with a strong detergent cleaner to remove all grease and oils. All loose concrete must be removed. Holes and cracks should be filled crack repair adhesive. Surface deterioration and rough surfaces should be treated.
· Previously painted surfaces should be completely stripped of peeling or degraded paint. Surfaces should be cleaned till no dust.

Mixing:

· Mix Part A for 30-60 seconds at slow speed (<750 rpm) with a low speed blade mixer, then add Part B and mix for another 30-60 seconds, until uniform in color.
· High speed spiral paint mixers are not recommended as they introduce air bubbles into the product, which can cause pinholes in material when applied.

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Application:

· Immediately after mixing, pour out onto floor in a ribbon fashion, spread with a notched rubber squeegee, then back-roll with a fine nap adhesive roller to a layer thickness of 200 microns (8 mil). For broadcast systems the product can be applied up to 380 microns (15 mil) per coat. Product can be applied thicker, but with a loss of clarity.
· Apply a second coat when dry enough to walk on, but do not wait longer than the dry hard fork truck traffic time listed, otherwise, the floor must be re-sanded prior to coating.
· A suitable aggregate can be broadcast into the bottom coat to provide a more antislip profile. For more uniform distribution, back roll after broadcasting. Typical aggregate size used for anti-slip properties is 30-50 mesh silica sand. Exact size to be determined based on user requirements.
· Apply when ambient temperatures are above 0°C (32F).
· Substrate temperature must always be 5°C higher than the dew point.

HEALTH AND SAFETY INFORMATION

- For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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