

TRI- COAT 1001 F

solvent free modified Epoxy Coating for freezing areas

Description

Tri -Coat 1001 F is a two component, solvent free, slightly thixotropic protective floor and wall coating which is based on modified epoxy resin and specially selected curing agents.

It is available in standard colors.

Special colors can be produced on request

The product is certified by National Research Center.

In accordance to: (ASTM D4541, D4060, G2, E2180, C267)



Uses

Tri -Coat 1001 F is used as a coating for cold and freezing areas, a slip-resistance, abrasion resistance, chemical resistance, & floor coating in areas such as:

- Coating for cold storage rooms and freezing rooms up to -30°C.
- Soft drinks Factories and pharmaceutical industries.
- Warehouses and chemical industries.
- Water boilers where the product can be withstand up to 125 °C.
- Laundries.
- Care production areas.
- Abattoirs and mechanical slaughterhouses.
- Production areas.

Advantages

- Resist temperature change from – 30 to 125 °C.
- Hygienic and resist growth of bacteria.
- Excellent adhesion to most substrates.
- Wear & abrasion resistance.
- High mechanical strengths.
- Can be done as Slip resistance.
- Highly Durable.
- High chemical resistance to most common reagents.
- Smooth and high build floor coating.

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Factory & Head Office:

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Technical Data @°25c

DISCRETIONS	VALUE
Color	White, Grey (others required colors)
Solid Content (by weight)	100 %
Density	1.5± 0.05 kg/l
Mixing ratio, A: B by weight	4: 1
Pot life	30 -45 min. (decreases at higher temperatures)
Initial setting time	24-48 hours
Final setting time	72 hours
Full hardness	7 days
Re-coating time	20 - 24 hours (depending on weather and DFT conditions)
Min. Application temperature	10° C
Rate of use (theoretical)	3 -4 m ² / kg- 200 μ /2Coat (depending on surface conditions)
Bond to concrete ASTM D4541	1.39 N/m concrete failure
Bond to steel ASTM D4541	3.05
Abrasion resistance ASTM D4060	123 mg loss in weight
Elongation at break	> 100 %

Chemical Resistance

Chemical Resistance			
Hydro chloride	10 %	30 %	No effect
Sulfuric acid	10 %	30 %	No effect on 10 % - Color changed on 30 %
Acetic acid	10 %		No effect
Sodium hydroxide	50 %		No effect on 10 % - Color changed on 30 %
Potassium hydroxide	50 %		No effect
Sodium chloride	50 %		No effect

Heat Resistance

DISCRETIONS	VALUE
Heat Resistance 120 °C	Color changed
Freeze Resistance -30 °C	No effect
Anti Microbial	Low effect



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Directions for use

Surfaces Preparation

All surfaces should be sound, dry, free from oil, grease and loosely adhering particles. Steel surfaces should be free from scale and rust.

Priming

All surfaces should be primed with **Tri-Prime 1001 F** (see separate data sheet). The primer should be applying to achieve a tack-free condition before applying **Tri-Coat 1001F**.

Mixing

Mix component A(Base) well then pour all the amount of the component B (Hardener) to it. Mix thoroughly by slow speed electric drill (300-500 rpm) until a smoothness and consistency is achieved.

Application

Apply the mixed material to the prepared & primed surface using stiff brush, roller or spray (airless with pressure ratio 1:40).

Cleaning

Clean all tools and equipment immediately after use with white spirit.

Package

Group (A+B): 5Kg.

Storage

should be stored at room temperature in dry warehouse.

Shelf life

Two Years in original packing.

Health and Safety

- Resins contain irritants, especially to the skin, eyes.
- Persons handling these materials should use appropriate protective clothing, Including rubber or plastic gloves.
- If the product should contact the skin, it should be removed immediately With a dry cloth or paper towel, and the areas of contact washed Thoroughly with soap and water.



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