

DANOKOTE FG

Solvent Free Epoxy Based Food Grade Coating

DESCRIPTION

DANOKOTE FG is a two component, epoxy based solvent free coating, for metal tanks and concrete tanks containing foodstuffs or other hygiene materials.

ADVANTAGES

- Non toxic
- Excellent chemical resistance
- Hygienic coating for food stuffs tanks
- Can be safely used when in contact with potable water
- Does not support bacterial growth

USES

DANOKOTE FG is ideal for coating metal/concrete tanks for contact with foodstuffs such as:

- Potable water
- Vegetable oils
- Wine
- Beer
- Various chemicals
- Fruit juices
- Breweries etc.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

The surfaces must be sound, clean, dry, and free from cracks, undulations, oil, grease, laitance and loose particles.

New concrete surfaces should be minimum 28 days old and should be sound with tensile strength >1.5 mPa and moisture content <4%.

Steel surfaces should be sand blasted to SA1/2 and all dust removed.

New concrete surfaces should be cleaned with wire brushes and carefully dusted. Old concrete substrates showing decay and contaminated areas should be dry sandblasted, wire brushed and vacuum dusted. Potholes if any shall be treated adequately prior to application of coating.

SURFACE PRIMING

Apply **DANOPRIMER I-EPS** Solvent Free Epoxy based Primer @4 to 6 m²/Kg. on well prepared substrate covering the entire area uniformly. Allow primer to dry. On very absorbent or porous surface, it is necessary to apply second coat of primer.

APPLICATION

Mix the two components in suggested proportion using low speed mechanical stirrer and apply two coats while maintaining over-coating interval of minimum 18 hrs to maximum 24 hrs.

APPLICATION DATA

		DANOKOTE FG Part A	DANOKOTE FG Part B
Type of compound		Epoxy Compound	Modified Polyamide
Colour & appearance		Opaque coloured, Epoxy resin	Pale Yellow Clear Liquid
Density	g/ml	1.3 to 1.4	0.96 to 0.98
Viscosity at 25°C	mPa.s	1000 - 3500	200 - 600

PROPERTIES OF APPLIED PRODUCT

Properties	Unit	Values
Dry Film Thickness in 2 Coats	µm	150 - 200
Elongation at Break	%	30
Tensile strength	N/mm ²	19 to 21
Coverage* (Two coats)	m ² /kg	5-6

*Coverage is approximate and it depends upon the site condition & surface porosity at the time of application.

PROPERTIES OF COMPONENT

Mix Ratio By PBW (DANOKOTE FG A: DANOKOTE FG B)	100: 20
Pot life at 25°C	Approx. 60 Minute
Curing Schedule	
Touch Dry	4 Hrs.
Hard Dry	24 to 36 Hrs
Recoatibility	18 Hrs. to 24Hrs.

CLEANING

Tools and equipment contaminated with **DANOKOTE FG** or Primer can be cleaned with Suitable solvent. Cleaning should be done before it starts to gel or harden.

STORAGE

DANOKOTE FG must be stored above 5°C. Store under the shed & protect from extremes of temperature, heat, direct sunlight, sparks and children.

SUPPLY

DANOKOTE FG is supplied in 6 Kg. Pack. It has a shelf life of 12 months when stored under the covered shed in sealed condition.

Packing: 6 Kg.

Resin	Hardener
5 Kg.	1 Kg.

SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage of **DANOKOTE FG**.

CHEMICAL RESISTANCE PROPERTIES

Foodstuff	Chemicals	Resistance properties
Wine	Tall Oil	Resistant
Beer	Teepol	Resistant
Must	Petrol	Resistant
Olive Oil	Sorbitol Seed	Resistant
Oil	Santicizer	Resistant
Palm Oil	Tallow At 50 OC	Resistant
Soybean Oil	Linseed Oil	Resistant
Fish Oil	Aviation Fuel	Resistant
Groundnut Oil	Diottlphthalate	Resistant
Sunflower Oil	Glendion Hexafunctional Polyether For Polyurethane Foams	Resistant
Wood Oil	Potassium Hydroxide Solution	Resistant
Molasses At 50 °C	Mineral Spirits	Resistant
Fruit Juice	Tricreysl Phosphate	Resistant
Sea Water	Dodecyl Benzene	Resistant
Fresh Water	2-Ethyl Hexanoic Acid	Resistant
Distilled Water	Monopropylene Glycol Magnesium Chloride Solutions Sodium Carbonated Saturated Solution Sodium Hydroxide (up to 50% & 50°C)	Resistant

VERSION: R8, 202203

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