

DANOKOTE PU



Aqueous Polyurethane Based Coating System

DESCRIPTION

DANOKOTE PU is ready to use two component water borne U.V resistant polyurethane-based wall and floor coating system used to create easy to clean, hygienic, durable and low maintenance surface.

ADVANTAGES

- Excellent adhesion with primed substrate
- High abrasion and wear resistance
- Good resistance to chemicals and oil spillages
- UV resistance and light fast

USES

DANOKOTE PU is formulated to impart anti-bacterial and anti-fungal properties to various substrates and protect from chemical spillages and abrasion in :

- Dairies, pharmaceuticals and food processing units
- Breweries and bottling plants
- Offshore platform and ship decks
- Hospital clean rooms and laboratories
- Power plants, generator rooms and pump houses
- Automobile and engineering industries
- Retail centres and departmental stores

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

The surfaces must be sound, clean, dry, and free from cracks, undulations, oil, grease, laitance and loose particles. Existing coating / paint on surfaces should be roughened enough by sanding to enhance adhesion.

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

SURFACE PRIMING

Apply **DANOFLOOR PRIMER EP** epoxy based primer @6 to 8 m²/Kg., covering the entire area uniformly.

Allow the primer to dry. On very absorbent or porous surface, it is necessary to apply second coat of primer.

APPLICATION

The components of **DANOKOTE PU** shall be mixed by taking **DANOKOTE PU Pigmented Resin** component in a clean container followed by addition and gradual mixing of **DANOKOTE PU Hardener** component. The mixed material is then diluted by adding water up to 20% by weight on total mix and mixed using slow speed electric stirrer to achieve homogeneous mix.

The prepared mix of **DANOKOTE PU** is applied by brush or roller or squeegee @ 5 to 7 m²/Kg. Minimum two coats are recommended, the second coat applied perpendicular to first coat after first coat is dry.

Allow the applied system to cure for 24 hours before allowing foot traffic and cure for 7 days before subjecting the floor to vehicular traffic.

CLEANING

Immediately after application of **DANOKOTE PU**, use water or suitable solvent for cleaning application tools.

APPLICATION DATA

Mix Ratio PBW* RESIN : HARDENER	100 : 15
Pot Life @30°C	4 to 6 Hours
Curing Schedule Foot Traffic/ Light Load Full Traffic Load	24 to 48 Hrs 72 Hrs
Drying Time Surface Dry Hard Dry Re-coatability	1 to 2 Hrs 4 to 8 Hrs 4 to 8 Hrs
Coverage per Pack** @ 50 to 75 microns d.f.t /Coat	115 to 160 m ²

*It is recommended to add Water @20% by mix weight.

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

PROPERTIES OF APPLIED PRODUCT*

Properties	Values
Elongation at break	>30 %
Tensile Strength	>10 N/mm ²
Adhesion Strength (on Concrete)	>1.5 N/mm ²

*Properties tested under laboratory condition for specimens cured for 15days @30°C.

STORAGE

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

SUPPLY

DANOKOTE PU is supplied in 23 Kg, pack. It has a shelf life of 12 months when stored under the covered shed in sealed condition.

Packing: 23 Kg.

Pigmented Resin	Hardener
20 Kg.	3 Kg.

SAFETY PRECAUTIONS

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

CHEMICAL RESISTANCE OF CURED MASS

Resistance to various chemicals at ambient temperature(25 - 35°C), immersion period : 40 days			
No.	Chemical	Concentration	Observation
1	Acetic acid	-	Resistant
2	Acetone	Concentrated	Non - resistant
3	Hydrochloric acid	20%	Resistant
4	Nitric acid	5%	Resistant
5	Phosphoric acid	30%	Resistant
6	Petrol	-	Non -resistant
7	Sulphuric acid	50%	Resistant
8	Salt water	15%	Resistant
9	Sodium hydroxide	30%	Resistant
10	White spirit	-	Non - resistant
11	Xylene	-	Non - resistant

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TIKITAR DANOSA (INDIA) PRIVATE LIMITED

Tiki Tar Estate, Village Road, Bhandup (W), Mumbai - 400 078, Maharashtra, India. T: +91 22 4126 6699
E: info@tikidan.in | W: www.tikidan.in

