

Solvent Based Aliphatic Polyurethane Coating

DESCRIPTION

DANOKOTE PUC is ready to use two component solvented U.V resistant polyurethane based coating used to create easy to clean, hygienic, durable and low maintenance surface. It is also ideal for use on metal structures owing to its excellent corrosion resistant properties.

ADVANTAGES

- Excellent adhesion with primed substrate
- High abrasion and wear resistance
- Good resistance to chemicals and oil spillages
- UV resistance and light fast
- Excellent corrosion resistance when applied on metal
- Does not encourage bacterial and fungal growth

USES

DANOKOTE PUC is ideal for use on concrete, and metal structures of:

- Structures exposed to aggressive saline atmosphere
- Engineering workshops
- Machines and equipment
- Dairies, pharmaceuticals and food processing units
- Offshore platform and ship decks
- Power plants, generator rooms and pump houses
- Automobile and engineering industries
- Aircraft hangers and other areas

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

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

Metal surfaces should be cleaned free from oil, grease and loose rust particles.

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 recommended primer by TIKIDAN technical department at specified rate on well prepared substrate 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

DANOKOTE PUC is supplied as pre-weighed two components, ready to use at site. The components of **DANOKOTE PUC** shall be mixed by taking **DANOKOTE PUC Pigmented Resin** component in a clean container followed by addition and gradual mixing of **DANOKOTE PUC Hardener** component using slow speed heavy duty electric stirrer to achieve homogeneous and uniform coloured mix.

The prepared mix of **DANOKOTE PUC** is applied by brush or roller or squeegee @ 4 to 5 m²/Kg in two coats, 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.

PROPERTIES OF COMPONENT

Property	Value
Resin	Pigmented
Hardener	Clear Liquid
% Solids of Mix	45 to 50
Mix Viscosity @ 25°C	30 to 40 mPa.s

APPLICATION DATA

Mix Ratio PBW (Resin: Hardener)	10:1
Pot Life @30°C	45 to 90 Minutes
Curing Schedule Foot Traffic / Light Load Full Traffic Load	24 to 48 Hrs 72 Hrs
Drying Time Surface Dry Hard Dry Recoatibility	6 to 8 Hrs 24 Hrs 12 to 18 Hrs
Coverage per Pack @ 70 to 90 microns d.f.t in 2Coat	90 to 110 m ²

PROPERTIES OF APPLIED PRODUCT*

Properties	Values	Test Standard
Abrasion Resistance (Weight Loss)	< 0.1gm	ASTM D-4060 CS10 Wheel
Scratch Resistance	2 to 3Kg.	BS 3900 Part E2

*Properties tested under laboratory condition for specimens cured for 15days @30°C. Properties may vary based on actual site conditions

CLEANING

Immediately after application of **DANOKOTE PUC**, use suitable solvent for cleaning application tools.

SUPPLY

DANOKOTE PUC is supplied in 22 Kg, pack. It has a shelf life of 12 months when stored under the covered shed in sealed condition.

Packing: 22 Kg.

Pigmented Resin	Hardener
20 Kg.	2 Kg.

STORAGE

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

SAFETY PRECAUTIONS

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

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