

# 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 areas such as:

- 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
- Aircraft hangers and other areas

## 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 m<sup>2</sup>/Kg., 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 PU** is supplied as pre-weighed two components, ready to use at site. 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 using slow speed heavy duty electric stirrer to achieve homogeneous and uniform coloured mix.

The prepared mix of **DANOKOTE PU** is applied by brush or roller or squeegee @ 5 to 7 m<sup>2</sup>/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.

## APPLICATION DATA

Mix Ratio PBW RESIN : HARDENER	100 : 10
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 Re-coatability	6 to 8 Hrs 24 Hrs 12 to 18 Hrs
Coverage per Pack* @ 50 to 75 microns d.f.t /Coat	110 to 150 m <sup>2</sup>

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

### PROPERTIES OF COMPONENT

Property	Value
Pigmented Resin*	Silver Grey, Mint Green Sky Blue, Ivory White
Hardener	Clear Liquid
% Solids of Mix	45 to 50
Mix Viscosity @ 25°C	30 to 40 mPas

\*Standard colors. Specific color can be tailor made to meet the end user requirement.

### PROPERTIES OF APPLIED PRODUCT\*

Properties	Values	Test Standard
Abrasion Resistance (Weight Loss)	< 0.1gm	ASTM D-4060 CS10 Wheel
Scratch Resistance	> 8 Kg	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 PU**, use water or suitable solvent for cleaning application tools.

### 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 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.

### SAFETY PRECAUTIONS

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

### VERSION: R1. 201901

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