

DANOKOTE PAVE



1K Low Viscous Elastomeric Pre-Polymer Urethane Clear Coating

DESCRIPTION

DANOKOTE PAVE is single component, air drying, water borne, U.V resistant, elastomeric, pre-polymer aliphatic urethane based low viscosity clear coating designed for coating rigid substrates including paver blocks, concrete, metal, plastic, tiles, marble, wood, polycarbonate, etc.

DANOKOTE PAVE is latest in technological advancement in Polyurethane development. It resists all manner of staining spills and has excellent ability to prevent water penetration. It also has the ability to act as a first-class joint stabilizer giving a solid seal to all block paving surfaces and once an existing block paving area has been pressure cleaned, re-sanded and dried, the application of **DANOKOTE PAVE** will give it a life span without need for further attention.

ADVANTAGES

- Exceptional toughness and flexibility.
- Excellent adhesion to various substrates.
- Good chemical and abrasion resistance.
- Excellent U.V resistance.
- Good resistance to water and solvents.
- Ideal for exterior coating applications.
- Forms solid seal.

USES

DANOKOTE PAVE is preferred U.V resistant clear coating system for use on various surfaces requiring high hardness, abrasion and chemical resistance coupled with U.V resistance in areas such as:

- Airport Terminals.
- Car Parking Areas.
- Industrial Warehousing floors
- Pavements.
- Parquet floorings.

- Pre-Cast Concrete.
- Inter-Locking Paver Blocks.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

The surfaces must be sound, clean, dry, and free from cracks, undulations, oil, grease, laitance, decayed matter, moss, algae, loose particles etc.

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

APPLICATION

DANOKOTE PAVE is supplied as DIY ready to use at site. The content of **DANOKOTE PAVE** shall be stirred thoroughly to homogeneous mix.

DANOKOTE PAVE is applied by brush or roller or airless spray @5.5 to 7.5m²/Kg. per coat. Minimum two coats are recommended, the second coat applied perpendicular to first coat, after first coat is dried.

PHYSICAL PROPERTIES

Colour	Translucent Dispersion
Viscosity @ 25°C	60 to 250 mPa.s
Density @ 25°C	1.05 Kg. /Ltr.
Dry Time @ 25°C	
Set to Touch	20 Minutes
Dry to touch	35 Minutes
Completely Dry	70 Minutes
Coverage per Coat	5.50 to 7.50 m ² / Kg.
Dry Film Thickness**	≥100 Microns

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

** When applied on a standard test panel (non-porous surface) under ideal laboratory conditions in two coats at the rate of 5.50 m²/Kg. /Coat.

PROPERTIES OF CURED FILM *

Properties	Values
Pencil Hardness	3H
Taber Abrasion (mg. Loss per 1000 Cycles, CS-17 Wheel, 1000gm Load)	22 mg.
Impact Resistance	
Direct	160 in-lb
Reverse	160 in-lb
Elongation	200 %

*Properties tested under laboratory condition for specimens cured for 7 days @30°C. Properties may vary based on actual site conditions.

CHEMICAL & HUMIDITY RESISTANCE

Resistance to various chemicals at ambient temperature (25 to 35°C) for 25-micron dry film, air cured for 7 days			
No.	Chemical	Method	Observation
1.	Toluene	1 Hour Immersion	No Effect
2.	Gasoline	1 Hour Immersion	No Effect
3.	M.E.K.	100 Double Rubs	No Effect
4.	Glacial Acetic acid	1 Hour Spot Test	Slight Softening, Recovers
5.	1N NaoH	1 Hour Spot Test	No Effect
Humidity Resistance Data (100% R.H, 700 Hours, 100°F)			
1.	Rusting	ASTM D610	No Effect
2.	Blistering	ASTM D 714	No Effect
3.	Loss in Gloss	-	No Effect

CLEANING

Immediately after application of **DANOKOTE PAVE**, use suitable thinner for cleaning application tools.

SUPPLY

DANOKOTE PAVE is supplied in 20 Kg. pack. It has a shelf life of 6 months when stored under the covered shed in sealed condition.

STORAGE

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

SAFETY PRECAUTIONS

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

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