

CRESTHANE PU 300

Single component polyurethane waterproof coating

CRESTHANE PU 300 is a liquid-applied, highly permanent elastic, cold applied, bitumen extended, one component polyurethane membrane used for long lasting waterproofing.

ADVANTAGES

- Single component, ready to use.
- Water based, eco-friendly.
- When applied, it forms a seamless membrane without joints.
- Provides excellent crack bridging properties.
- Excellent adhesion to porous and non porous substrate.

USES

- Waterproofing of foundation, retaining wall, basements and columns etc.
- Waterproofing in terrace, balconies, planter boxes etc.
- Under-tile waterproofing in wet areas such as kitchen, bathrooms etc.
- Waterproofing and protection of concrete constructions.

SURFACE PREPARATION

All Surfaces should be sound, clean and free from contaminants loosely adhering particles such as cement, laitance, rust scales etc. should be removed by suitable means. Concrete should preferably be dampen with water. In kitchens & wet areas all the opening should be properly sealed. Concrete should be cured for at least 28 days and should have a compressive strength of at least 25 Mpa. Loose friable material and weak concrete must be completely removed by mechanical means to achieve an open textured surface and all surface defects such as blowholes and voids must be fully exposed. Repairs to the substrate, filling of joints, blowholes/voids and surface leveling must be carried out using the appropriate CRES products.

APPLICATION

PRIMING

On sound, high quality concrete surfaces no primer is necessary. Prime very absorbent and brittle concrete or brittle cement screed surface with **CRESTHANE PU 300** dilute with 10 to 20 % clean



TECHNICAL PROPERTIES

Description	Value	Standard
Colour	Black viscous liquid	-
Specific gravity @25°C	1.1 (±0.05)	ASTM D1475
Solid content, %	60 (±2)	ASTM D2939
Drying Time @25°C, hr	1-3 (Touch Dry)	-
Full cure @25°C	7	-
Elongation at break, %	> 450	ASTM D412
Peel strength, N/mm	> 1.0	ASTM D903

All values given are subject to 5-10% tolerance.

CRESTHANE PU 300

Single component polyurethane waterproof coating

water. For very porous substrate prime with **CRESTHANE PU 300**, allow the prime coat to cure. Stir well before using for at least 2-3 minutes by using mechanical mixer until the material is homogenous. Apply the **CRESTHANE PU 300** onto the surface by roller or brush, until all surface is covered. After 16-24 hours apply another layer of **CRESTHANE PU 300**. It can be applied by brush, roller or squeegee. When two or more coats are required, it is important that the preceding coat is fully dry before the successive coat is applied. Coat should be brushed at right angle to each other. Do not apply **CRESTHANE PU 300** to outside areas in wet weather or when rain is expected. Protect freshly applied product from rain until it's fully cured.

CLEANING

Clean tools and hands with cold water when wet and use kerosene or solvents when dry.

COVERAGE

Apply the first layer of **CRESTHANE PU 300** with 1.0 to 1.2 kg/m² in two or three layers by roller, brush or airless spray with a film thickness of around 0.5mm per coat. This coverage is based on application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, dry film thickness, temperature and application method can alter consumption.

PACKING

CRESTHANE PU 300 is supplied in 20 kg pail.

LIMITATION

CRESTHANE PU 300 should not be left exposed to UV light for more than 15 days.

STORAGE

The pails must be stored in a covered area, away from direct sunlight and protected from extreme temperature.

SHELF LIFE

Keep away from direct sunlight and store under normal warehouse conditions. Container must be tightly closed. Shelf life of this product is 12 months from the date of manufacturing.

HEALTH AND SAFETY

It is non-hazardous and non-flammable material. Always wear hand gloves, safety shoes and safety goggles while using and handling this product. Avoid contact with skin and eyes. When contact with eyes, wash with plenty of water and seek medical facilities immediately.

Product Disclaimer:

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable. All recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to ensure each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

*Refer material safety data sheet (MSDS) for further information.