TDC 1006

<Product information >

- **Description** : **HIGHLY ELASTIC WATERPROOF COATING**
  TDC 1006 is a one part urethane membrane that bonds firmly to clean, dry concrete, wood or metal. It retains its integrity even if substrate movement causes hairline cracks of up to1/16" (1.6mm). Chemical and/or mechanical surface preparation may be required. **TDC 1006** basecoat is normally applied at the rate of 25-40 wet mils (0.7mm – 1.0mm) thickness. The coating is squeegee or roller applied, followed by back rolling to evenly distribute the material. Cure **TDC 1006** to firm rubber before topcoat application.

- **Product advantages:**
  - Create crack bridge
  - Easy application
  - Resistance to water and UV.
  - Protect itself between(-30°C/+90°C) temperatures
  - Resistance to pedestrian and heavy vehicle traffic
  - Perfect adhesion
  - Simple application (with roller or airless spray)
  - Can walk on the waterproofed surface
  - Good resistance against acidic and alkali solutions,detergents, sea water and oils

- **Application fields:**
  - Waterproofing of Parking area,warehouses garages.
  - Waterproofing of balconies and terraces
  - Waterproofing of wet areas under tile in bathrooms,balconies
  - Waterprofing on external sides of buildings, wooden and sheet iron.

- **Technical specifications:**
    - Colour : White, Grey
    - Density : 1,40 g/cm^3
    - Stand on : +23°C 16/24 hour
    - Serve temperature : -30°C/+90 °C
    - Surface temperature: +5°C/+30°C
    - Solid matter ratio : Approx.%90
    - VOC : 50 G/L
    - Package : 25 Kg

TYPICAL PHYSICAL PROPRETIES:

Property	**Test Method**	**TDC 1006 Basecoat**
Tensile	ASTM D-412	320 psi (2.21MPa)
Elongation	ASTM D-412	950%
S100	ASTM D-412	60 psi (414 kPa)
Hardness Shore A	ASTM-C661-83	20
Peel Strength (onnn concrete)	ASTM C-794	30 lbs. (133N) 100% cohesive
Permeability	E-96	0.12 metric perms
Non Volatile Content	ASTM D-1353	79% min.
Low Temp Flexibility	ASTM C 957	Pass and crack bridging**
Cure time @77ºF(25ºC)50%	ASTM D-1640	48hrs.max.

UL 790 CLASS A FIRE RATING CAN/ULC - S102.2 - M88 CLASS A RATING
Wet Material Properties
Values given above are the average consumptions. Appliers may change the quantity depanding on the surface condititions.

- **Surface:**

Careful surface preparation is essential for optimum finish and durability so application surface need to be dry,clean and hard. It should be cleaned out from dirt,oil,paint,dust and if there is a crack or hole on the surface ıt should be fixed before application.

- **Apply an undercoat:**

Before application the surface should be undercoated by **TDC 014.** Roller brush can be used. The duration time after applying is: should be minimum 3-4 hours, maximum 48 hours.

- **Application of TDC 1006**

  - After 24 hours of duration time at room conditions, it should be mixed with a low circuit mixer and suitable tool to mix,until the mixture be homogenous.
  - There is no need to any other components. It is ready to use in its package.
  - Apply with a squeegee roller or brush.
  - Layer should protect from water, rain, external effects, and mechanic compulsion.
  - Duration time will decrease in hot weather
  - Duration time will increase in cold weather

- **Storage:**

Pails should be stored in a dry and cool rooms for up to 12 months. Protect the material against moisture and direct sunlight.Storage temperature:+15°C/+25°C. Production date is on label. Because of freezing in a short time period, use opened packages. Packages should be stored upward.

- **Caution:**

Do not apply in closed areas because of solvent scent . The surface temperature should be +5°C. It is flammable so do not come closer with a flame.Do not smoke while application. Application should be done at open areas or air contioned places.Use eye shild,glove and protecter clothes.If it touches with skin wash with water and soap. Do not use the empty packages for the storage of nutriment.

The information and recommendations contained herein are based on the current state of our knowledge. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained here.