



## Uniguard PU1000 2K

### Product Description

Uniguard PU1000 2K is a two component, fast curing, cold applied polyurea waterproofing membrane. It creates an elastic, durable, free of bubbles layer on the surfaces and strong adhesion to many types of surfaces.

### Features and Benefits

- Easy to Apply.
- Heat resistance -40C° to +90C°.
- 700 - 1000% elongation.
- Excellent mechanical properties.
- Fast Curing in all weathering conditions.

### Typical use

Waterproofing and protection of:

- Gypsum and cement board.
- Tiles
- Bathrooms.
- Roofs.
- Light roofing made of metal or fibrous cement.
- Asphalt membranes.

### Substrate

Concrete, fibrous cement, mosaic, cement roof tiles, old (but well adhered) acrylic and asphalt coats, wood, corroded metal, galvanized steel.

### Product Data

<b>Packaging size</b>	16 Liter (A+B)
<b>Mixing Ratio by weight</b>	1 Part A : 10 Parts B
<b>Form</b>	Liquid
<b>Colors</b>	White, Grey
<b>Solids by Volume</b>	96% (A+B)
<b>Mixed Density</b>	1.20 – 1.30 g/cm <sup>3</sup>
<b>Hardness</b>	55-60 Shore A (ASTM D2240)
<b>Elongation</b>	>1000%



## Application data

The product can be applied by

<b>Roller</b>	<b>Recommended</b>
<b>Brush</b>	<b>Recommended</b>

## Cleaning of painting tools

Immediate cleaning with xylene is necessary.

## Film Thickness per coat

<b>Dry film thickness</b>	<b>1mm – 2mm.</b>
<b>Theoretical spreading rate</b>	<b>15.4 – 7.7 m<sup>2</sup>/pack.</b>

## Thinner (solvent to mix with)

Uniguard Thinner PU.

## Dilution (Mix Ratio)

For application by spray thin with 5-10% Uniguard Thinner PU.

## Conditions during application

- Do not apply if the temperature is below 10°C and not more than 40°C. Avoid working under direct sunlight.
- Substrate temperature should be at least 3°C above the dew point
- The hardness of the surface = 15-25 Mpa.
- Relative humidity: Less Than 80 %.
- Surface humidity: Less than 10%

<b>Drying and curing time</b>	<b>25 °C</b>
<b>Surface (touch) dry</b>	<b>2 h</b>
<b>Dry to over coat, minimum @ RH%50</b>	<b>6 h</b>
<b>Full Cure</b>	<b>24 h</b>



## Directions for use

### Surface preparation

- Ensure that surface is thoroughly cleaned and free from grease, oil, dirt, salt and other containment.
- Fill surface irregularities with the necessary product.

## Recommended Paint System

### Prepare surface with primer

Apply Uniguard Clear Sealer SB.

### Number of coats:

Apply Uniguard PU1000 2K to achieve 2 mm thickness.

### Topcoat:

2 coats of Uniguard PU Topcoat should be used as a top coat in order to use it in places exposed to UV for protection and to increase service life from outdoor effects.

## Storage

- Store in cool, dry place in a well-sealed container away from moist air for 6 months.
- Keep away from heat, ignition sources and from children.

## Caution

- Clean mixing container before use. Do not use dirty tools. Ensure that containers and tools are free from moisture.
- Do not exceed dilution ratios.
- Keep out of the reach of children.

## Health and safety

Possible Hazards: It causes irritation in case of skin contact & eye contact, flush immediately with plenty of water for at least 10 minutes and seek medical advice in case it happened.