



Uniguard PU 2K 1000 Cold

Product Description

Uniguard PU 2K 1000 Cold is a two component, fast curing, cold applied polyurea waterproofing membrane designed for durable and seamless waterproofing applications. This product is specially formulated to provide excellent adhesion, elasticity and resistance to environmental conditions.

Features and Benefits

- Fast curing time.
- Easy to Apply.
- Heat resistance -40C° to +90C°.
- 1000% elongation.
- Excellent mechanical properties.
- High elasticity and flexibility

Typical use

Waterproofing and protection of:

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

Substrate

Concrete, fibrous cement, cement roof tiles, and asphalt coats, wood, corroded metal, galvanized steel.

Product Data

Packaging Size	16.5 L 15 L Comp A & 1.5 L Comp B
Form	Liquid
Colors	White, Grey
Mixing Ratio by weight	10 Parts A : 1 Part B
Solids by Volume	85% (A+B)
Mixed Density	1.00 – 1.05 g/ml
Hardness	45 - 50 Shore A
ASTM D2240, 7 days	
Elongation:	1000%
ISO 37, 7 days	
Tensile Strength:	
ISO 37, 7 days	8 – 9 MPa



Tear Strength:	28 MPa
ASTM D624, 7 days	
Pot Life at 25°C	40 – 45 mins
Crack bridging	
7 days	> 10 cm

Application data

The product can be applied by

Roller	Recommended
Brush	Recommended

Cleaning of painting tools

Immediate cleaning with xylene is necessary.

Film Thickness per coat

Dry film thickness	1 mm – 2 mm.
Theoretical spreading rate	7 – 14 m²/pack.

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%

Drying and curing time	25 °C
Surface (touch) dry	2 h
Dry to over coat, minimum @ RH%50	6 h
Full Cure	7 days



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

Number of coats:

Apply Uniguard PU 2K 1000 COLD 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.