



## Xtreme Polyurea 1000 C

### Product Description

Xtreme Polyurea 1000 C is a two component, fast curing, cold applied, polyurea based liquid waterproofing membrane. The product creates a seamless and highly durable waterproofing membrane with high mechanical properties. It is specially formulated to provide excellent adhesion, elasticity and resistance to environmental conditions.

### Features and Benefits

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

### Typical use

Waterproofing and protection of:

- Walkable roofs.
- Terraces and balconies.
- Gypsum and cement board.
- Bathrooms and kitchen.
- 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

<b>Packaging Size</b>	16.5 L (15 L Comp A & 1.5 L Comp B)
<b>Form</b>	Liquid
<b>Color</b>	Grey
<b>Mixing Ratio by Volume</b>	10 Parts A: 1 Part B
<b>Solids by Volume</b>	85% (A+B)
<b>Mixed Density</b>	1.17 – 1.19 g/cm <sup>3</sup>
<b>Pot Life at 25°C</b>	30 – 40 mins
<b>Hardness (ASTM D2240, 7 days)</b>	60 - 65 Shore A
<b>Elongation (ISO 37, 7 days)</b>	Up to 1000 %



<b>Tensile Strength (ISO 37, 7 days)</b>	10 MPa
<b>Tear Strength (ASTM D624, 7 days)</b>	28 MPa
<b>Crack bridging (7 days)</b>	> 10 cm

## 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

<b>Dry film thickness</b>	<b>1 mm – 2 mm.</b>
<b>Theoretical spreading rate</b>	<b>14 – 7 m<sup>2</sup>/pack.</b>

## Dilution (Mix Ratio)

Thin with 5-10% Uniguard PU Thinner when needed.

## Conditions during application

The air temperature should be between 5°C and 35°C. If the temperature of the product is higher than 30°C at the time of mixing the two components, there is a risk that the working time will be too short. The relative humidity must be less than 80% and the surface humidity must be less than 10%. The temperature of the substrate must be at least 3°C above the dew point to avoid condensation on the surface. The substrate strength should be > 25 MPa.

<b>Drying and curing time</b>	<b>25 °C</b>
<b>Surface (touch) dry</b>	<b>2 – 3 h</b>
<b>Dry to over coat, minimum @ RH%50</b>	<b>4 – 8 h</b>
<b>Full Cure</b>	<b>7 days</b>

## Directions for use

<b>Surface Type</b>	<b>Surface preparation</b>
Ceramic/Glass,	<ul style="list-style-type: none"><li>• All surfaces to which is applied should be thoroughly cleaned and free from grease, oil, dirt, salt, loose particles and any other substances which may impair adhesion.</li><li>• Release oil and other contaminants which may impair adhesion must be removed prior to application of the primer.</li><li>• Ceramic substrates should not have empty joints or loose elements or parts. These should be filled with a filling material.</li><li>• Wet the surface until it is saturated with water.</li></ul>



# Technical Data Sheet

	<ul style="list-style-type: none"><li>• Apply a prime coat of Epoxy HD (leave for 24 hours before application of Xtreme Polyurea).</li></ul>
Cementitious substrates and Wood	<ul style="list-style-type: none"><li>• Ensure that concrete is completely cured.</li><li>• All surfaces to which is applied should be thoroughly cleaned and free from grease, oil, dirt, salt, loose particles and any other substances which may impair adhesion.</li><li>• Any laitance present on the surface must be removed mechanically.</li><li>• Release oil and other contaminants which may impair adhesion must be removed prior to application of the primer.</li><li>• Fill surface irregularities with the necessary product.</li><li>• Wet the surface until it is saturated with water.</li><li>• According to the International Concrete Repair Institute (ICRI), if the substrate is below csp4, you must apply a prime coat of Epoxy HD (leave for 24 hours before application of Xtreme Polyurea).</li></ul>
Metal	<ul style="list-style-type: none"><li>• All surfaces to which is applied should be thoroughly cleaned and free from grease, oil, dirt, salt, loose particles and any other substances which may impair adhesion.</li><li>• Release oil and other contaminants which may impair adhesion must be removed prior to application of the primer.</li><li>• Metal substrates should be prepared using sand-blasting, in order to improve the surface's mechanical fixation properties.</li><li>• Abrasive blast to a minimum Sa 2.5 (ISO 8501-1) or clean thoroughly.</li><li>• Check the seals and overlaps and where necessary seal with appropriate filler product.</li></ul>
Asphalt	<ul style="list-style-type: none"><li>• All surfaces to which is applied should be thoroughly cleaned and free from grease, oil, dirt, salt, loose particles and any other substances which may impair adhesion.</li><li>• Release oil and other contaminants which may impair adhesion must be removed prior to application of the primer.</li><li>• Fill surface irregularities with the necessary product.</li><li>• Apply a prime coat of Xtreme Sealer (leave for 4 hours before application of Xtreme Polyurea).</li></ul>

## Recommended Paint System

- Apply Xtreme Polyurea 1000 C to achieve 1 - 2 mm thickness.
- In case of demand for long term color stability, apply one coat of Xtreme Sealer then apply two coats of Uniguard Xtreme Topcoat.

## Storage

- Store in cool, dry place in a well-sealed container away from moist air for 12 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 mixing ratios.
- Keep out of the reach of children.

## Health and safety

Possible Hazards: Harmful by inhalation. Irritating to eyes, respiratory system and skin. Do not breathe spray/vapor. Wear suitable protective clothing and gloves. Use only in well-ventilated areas. Keep away from direct sunlight and do not expose temperatures over 50°C. Do not pierce or burn, even after use. Keep away from sources of ignition, no smoking. Refer to product SDS for more information.