Hypertectum Universal Primer 2K

Two-component, solvent-free, polyurethane-based primer

APPLICATION	CONSUMPTION	POT LIFE	MAIN MEMBRANE
Roller or brush	100–200 g/m²	15–20 min	Within 2–3 h

01 DESCRIPTION

Hypertectum Universal Primer 2K is a two-component, solvent-free primer, specially designed for Hypertectum polyurethane membranes. It cures very quickly and is non-toxic (zero VOC). Ideal for use at low temperatures and low humidity.

- Fast-curing primer. For easier application, thinning with 5–10 % of a suitable solvent is recommended.
- Note: once thinned, the product is no longer zero-VOC (see Safety).
- Avoid over-application: do not exceed 200 g/m².

02 LIMITATIONS

If there is any doubt about adhesion to a particular substrate (especially plastics), test suitability before use.

03 MAIN FEATURES

- Excellent adhesion to almost any type of substrate
- Solvent-free: suitable for enclosed spaces with limited ventilation
- Cures even at low temperatures
- Hydrophobic
- When filled with inorganic fillers, can be used effectively as a sealing coat
- Can bond and saturate geotextile

04 RECOMMENDED FOR

1. As a primer for:

- General use
- Asphalt and bituminous membranes
- Certain non-polyurethane systems, such as acrylic paints

2. As an intermediate primer for:

- Improving adhesion between coats of another material

05 APPLICATION PROCEDURE

Surface preparation	Remove loose material, dust, vegetation, salts and oils. Grind off and remove loose parts with suitable tools. Where the membrane is applied without reinforcement, repair major cracks with Hypertectum Tectflex-PU before the final coat.
Mixing	Combine both components and mix thoroughly. At high temperatures, pot life can be extended by pouring the mix into a wide, shallow container.
Thinning	Use only in open or well-ventilated areas. To extend pot life and/or reduce consumption, add 5–10 % of a suitable solvent. Contact ETS Europe for advice.
Application	Roller or brush. Once dry (at the latest 2–3 hours after application), apply the Hypertectum membrane.

06 CONSUMPTION

100–200 g/m², depending on substrate porosity. Avoid over-application.

07 CLEANING

Wipe tools with dry paper or cloth, then clean with a suitable solvent. Re-using rollers is not recommended.

08 PACKAGING

- 1 kg set: component A 0.4 kg + component B 0.6 kg (metal containers)
- 4 kg set: component A 1.6 kg + component B 2.4 kg (metal containers)
- 20 kg set: component A 8 kg + component B 12 kg (metal containers)

09 STORAGE

At least 12 months in the original unopened containers, in a dry place at 5–25 °C. Once opened, use immediately. Keep out of reach of children.

10 SAFETY

Hypertectum Universal Primer 2K is solvent-free. Nevertheless, as a precaution and especially when thinned, follow the usual safety rules: apply away from naked flames and sparks. Do not apply in enclosed spaces without adequate mechanical ventilation and activated-carbon masks. See the Safety Data Sheet.

11 TECHNICAL DATA — LIQUID (BEFORE APPLICATION)

PROPERTY	UNIT / METHOD	COMPONENT A (ISOCYANATE)	COMPONENT B (POLYOLS AND AMINES)
Viscosity (Brookfield)	cP, ASTM D2196, 25 °C	200–300	1,500–3,000
Density	g/cm³, ASTM D1475 / ISO 2811, 20 °C	1.20–1.25	0.95–1.05
Colour	–	Dark brown	Transparent

PROPERTY	VALUE
Mixing ratio A:B by weight	1 : 1.5
Mixing ratio A:B by volume	1 : 2
Pot life	15–20 min

12 ADHESION TEST (ASTM D4541)

SUBSTRATE	STRENGTH	FAILURE MODE
Galvanised steel	> 10 MPa	Failure in primer
Cement	> 4 MPa	Failure in cement
Wet cement	> 4 MPa	Failure in cement
Marble	> 5 MPa	Failure in primer
Hypertectum membrane on Universal Primer 2K	> 5 MPa	Failure in primer

The information in this data sheet reflects current techniques and our best knowledge. Because the use of the product is beyond our control, neither the manufacturer nor the distributor can be held responsible for results. Instructions not covered by this data sheet require written confirmation from head office. Our general terms and conditions apply. This data sheet cancels and replaces all previous versions.