Hypertectum Universal Primer 1K

Low-viscosity polyurethane primer and concrete sealer for porous and non-porous substrates, on dry and wet concrete

APPLICATION	CONSUMPTION	VISCOSITY	MAIN MEMBRANE
Brush or roller	100–300 g/m²	30–60 cP	After 12–24 h

01 DESCRIPTION

Hypertectum Universal Primer 1K is a one-component, low-viscosity, polyurethane-based primer suitable for many different substrates. Its very low viscosity and balanced curing speed give excellent wetting, impregnation and overcoating time on substrates of high, low or no porosity (e.g. glass and metals). It can be used on both dry and wet concrete, even green concrete, not only as a primer but also as a low-cost sealer that increases the durability of the substrate. The cured film has outstanding mechanical properties, with a tensile strength above 30 N/mm². Apply with brush or roller. Consumption: 100–300 g/m², depending on substrate porosity.

02 LIMITATIONS

- Discolours when left exposed on its own. This is purely visual and does not affect the performance of the membrane.
- On very porous concrete, the primer may penetrate so deeply that no surface film forms. In that case, apply an additional coat to obtain a dust-free primed surface. For extremely porous substrates, consider the less penetrating Hypertectum Universal Primer FC.

03 MAIN FEATURES

- One component
- Low viscosity
- Easy to apply, even on wet concrete
- Strong adhesion, even on glassy, non-porous substrates
- Excellent wetting, impregnation and overcoating time
- Low-cost solution for concrete sealing and protection

04 RECOMMENDED FOR

Primer for:

- Concrete structures (humid, damp or wet concrete)
- Ceramic tiles
- Non-porous substrates such as glass, marble and metals

Also for use as a concrete sealer.

05 APPLICATION PROCEDURE

Surface preparation	Clean the surface with a high-pressure washer where possible. Remove oil, grease and wax. Remove cement laitance, loose particles, mould-release agents and old cured membranes.
Application	Apply with brush or roller. Once the primer has cured, apply the Hypertectum membrane.

06 CONSUMPTION

100–300 g/m², depending on substrate porosity

07 CLEANING

Wipe tools with paper, then clean with a suitable solvent. Rollers cannot be re-used.

08 PACKAGING

1 l, 4 l, 20 l

09 STORAGE

At least 12 months in the original unopened containers, in a dry place at 5–25 °C. Once opened, use as soon as possible.

10 SAFETY

Contains volatile, flammable solvents. Apply in well-ventilated, no-smoking areas, away from naked flames. In enclosed spaces, use ventilators and activated-carbon masks. Solvent vapours are heavier than air and collect at floor level. See the Safety Data Sheet.

11 TECHNICAL DATA — LIQUID (BEFORE APPLICATION)

PROPERTY	UNIT	METHOD	VALUE
Viscosity (Brookfield)	cP	ASTM D2196, 25 °C	30–60
Density	g/cm³	ASTM D1475 / ISO 2811, 20 °C	0.95–1.05

12 TECHNICAL DATA — CURED (AFTER APPLICATION)

PROPERTY	UNIT	METHOD	VALUE
Tensile strength at break at 23 °C	kg/cm² (N/mm²)	ASTM D412 / EN ISO 527-3	300 (30)
Dry to touch, on dry cement	h	–	6–12
Application of main membrane	h	–	12–24
Adhesion to cement	MPa	ASTM D1640	> 4

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.