Hypertectum Universal Primer FC

Low-viscosity, fast-curing, polyurethane-based all-purpose primer

APPLICATION	CONSUMPTION	VISCOSITY	MAIN MEMBRANE
Brush or roller	100–500 g/m²	60–100 cP	After 2–24 h

01 DESCRIPTION

Hypertectum Universal Primer FC is a one-component, fast-curing, polyurethane-based primer suitable for all substrates, both porous and non-porous. It has the same low viscosity and wetting ability as Hypertectum Universal Primer 1K, but cures faster (same-day primer). This makes it the better choice in colder climates and when rain is unpredictable. It is also the preferred option on extremely porous concrete, where several coats of Universal Primer 1K might otherwise be needed. 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. Apply with brush or roller. Consumption on concrete: 100–500 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.

03 MAIN FEATURES

- One component
- Fast curing (same-day primer)
- Low viscosity
- Easy to apply, even on wet concrete
- Excellent wetting, impregnation and overcoating time
- Elastic

04 RECOMMENDED FOR

Primer for:

- Humid, damp or wet concrete
- Applications where a faster-curing alternative to Hypertectum Universal Primer 1K is needed

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.
Thinning	Thinning can reduce the risk of bubble formation and help keep consumption below 500 g/m². Contact ETS Europe for advice.
Application	Apply with brush or roller. Once the primer has cured, apply the Hypertectum membrane.

06 CONSUMPTION

Concrete: 100–500 g/m², depending on substrate porosity

07 CLEANING

Because of its very high adhesion strength, avoid staining surrounding areas. 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 solvents. Apply in well-ventilated, no-smoking areas, away from naked flames. In enclosed spaces, use ventilators and activated-carbon masks. See the Safety Data Sheet.

11 TECHNICAL DATA — LIQUID (BEFORE APPLICATION)

PROPERTY	UNIT	METHOD	VALUE
Viscosity (Brookfield)	cP	ASTM D2196, 25 °C	60–100
Density	g/cm³	ASTM D1475 / ISO 2811, 20 °C	0.90–1.00

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	35 (3.5)
Elongation at 23 °C	%	ASTM D412 / EN ISO 527-3	> 150
Dry to touch, on dry cement	h	–	1–2
Dry to touch, on wet cement	h	–	1
Application of main membrane	h	–	2–24
Adhesion to cement	MPa	ASTM D1640	> 4
Adhesion of Hypertectum membrane to Universal Primer FC	MPa	ASTM D1640	> 5

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.