Hypertectum Aqua Primer

Two-component, water-based epoxy primer and coating

MIXING RATIO A:B	CONSUMPTION	POT LIFE	COLOUR
1 : 3 by weight	150–600 g/m²	1 h at 25 °C	Transparent

01 DESCRIPTION

Hypertectum Aqua Primer is a two-component, water-based epoxy coating, used as a primer for Hypertectum polyurethane membranes. It acts as a water and water-vapour barrier, which makes it ideal for applications with rising damp or negative water pressure. Easy to use and safe (zero VOC), with many applications besides priming.

02 MAIN FEATURES

- Effective water and water-vapour barrier
- Easy application (water-based)
- Low odour, safe and non-flammable (zero VOC)
- Suitable for application in enclosed spaces
- Easy clean-up
- Strong adhesion, even on damp or green concrete. Also on iron, galvanised steel, aluminium, glass and wood
- Good mechanical properties and abrasion resistance

03 RECOMMENDED FOR

Use as:

- Primer for applications with rising damp or negative pressure (tanks, pools, foundations, etc.)
- Primer for other systems: polyurethane, epoxy, cementitious, etc.
- Sealing coat for concrete
- Bonding primer between old and new concrete
- Water and water-vapour barrier

04 APPLICATION PROCEDURE

Mixing	Mix the two components thoroughly, then add 10–30 % water. Stir by hand or with a low-speed mixer.
Application	• As a primer: apply in thin coats only, by roller, in one or two coats. Total consumption 150 g/m². • As a water/vapour barrier: apply by roller in three coats. Total consumption 600 g/m². Recoat time depends on weather conditions: as a guide, less than 5 hours in summer and up to 24 hours in winter. When applied, the primer looks milky white. Apply the next coat (Aqua Primer or Hypertectum membrane) once it has turned transparent and has hardened enough that it can no longer be marked with a fingernail.
Important	• Do not exceed the stated consumption; this would reduce the adhesion and durability of the membrane. • Pot life of the mix: 1 hour maximum at 25 °C. • Do not apply below 12 °C. • Wet hot concrete surfaces before application.

05 CONSUMPTION

- As a primer: 150 g/m² in one or two thin coats
- As a water/vapour barrier: 600 g/m² in three coats

06 CLEANING

Wipe tools with dry paper or cloth, then clean with water. Never re-use these tools for mixing or applying polyurethane products.

07 COLOUR

Transparent (the mix is milky white when applied and becomes transparent once cured)

08 PACKAGING

Transparent: 4 kg (1 kg + 3 kg)

09 STORAGE

At least 24 months in the original unopened containers, in a dry place at 5–25 °C. Once opened, use immediately.

10 SAFETY

Hypertectum Aqua Primer is solvent-free. Nevertheless, as a precaution, 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, AFTER MIXING)

Component A: colourless. Component B: transparent.

PROPERTY	UNIT	METHOD	VALUE
Viscosity (Brookfield)	cP	ASTM D2196, 25 °C	100–300
Density	g/cm³	ASTM D1475 / ISO 2811, 20 °C	1.0–1.1
Hardness	Shore A	ASTM D2240	90
Mixing ratio A:B (transparent)	by weight	–	1 : 3
Drying time (25 °C, 55 % RH)	h	–	5–6
Full cure	days	–	7
Recoat time	–	–	When the coat has turned from milky white to transparent and can no longer be marked with a fingernail
Pot life	h	–	1 at 25 °C

12 TECHNICAL DATA — CURED (AFTER APPLICATION)

PROPERTY	UNIT	METHOD	VALUE
Service temperature	°C	–	5 to 40
Water-vapour transmission	g/m²·24 h	EN ISO 7783-2	3.9 – Class III (low, < 15)
Water permeability	kg/m²·h$^{0.5}$	NF EN 1062-3	0.003–0.006 – Class III (low, < 0.1)
Adhesion to concrete	kg/cm² (N/mm²)	ASTM D4541	> 30 (> 3)
Abrasion resistance	g	Taber 503, CS17, 1.0 kg, 1,000 revs	120 × 10⁻³

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.