

MICROSEALER -50

Low Viscosity, polyurethane based primer / concrete sealer, for both porous & non-porous substrates, and both dry & wet concrete.

DESCRIPTION

MICROSEALER-50 is a one component, low viscosity, polyurethane based primer suitable for many different substrates.

It is characterised by its very low viscosity and balanced curing speed which result in excellent wetting, impregnation and paint-over time on different substrates, whether of high, low or no porosity (e.g. glass and metals). Additionally, it can be effectively used on both dry and wet concrete, even green concrete, not only as primer but also as a low-cost sealing solution, increasing, thus, the durability of the substrate.

The cured film displays outstanding mechanical properties: Its elongation is >300%, and its tensile strength surpasses 30 N/mm².

Apply with brush or roller. Consumption: 100-200gr/m², subject to substrate porosity.

COMPLIANCE

The adhesion strength of MICROSEALER-50 exceeds the requirements of EOTA (European Organization of Technical Approval).

RECOMMENDED FOR

To be used as **primer** for:

- Concrete structures (Humid, damp or wet concrete)
- ceramic tiles,
- non-porous substrates like glass, marble & metals.

Also, for use as **concrete sealer**.

LIMITATIONS



Will discolour when used on its own exposed. This is purely visual and does not affect the performance of the membrane.

FEATURES & BENEFITS

- One component.
- Of low viscosity.
- Easily applicable, even on wet concrete.
- Adheres strongly, even on glassy, non-porous substrates.
- Excellent wetting, impregnation and paint-over time.
- Elastic.
- Many pigment pastes available.
- A low-cost solution for concrete sealing & protection.

APPLICATION PROCEDURE

Clean the surface using a high pressure washer, if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, cured membranes must also be removed. If there are surface irregularities, we recommend charging MICROSEALER-50 with sand.

Apply with brush or roller. Once cured, the main membrane (e.g. HYPERDESMO® System) can be applied.

CLEANING

Clean tools and equipment first with paper and then using SOLVENT-01. Rollers will not be reusable.

Certified quality, environmental and occupational health & safety management systems:
ISO 9001/14001 & OHSAS 18001.

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PACKAGING

1 Lt, 5 Lt, 20 Lt.

SHELF LIFE

Can be kept for 12 months minimum in the original unopened pails in dry places and at temperatures of 5-25 °C. Once opened, use as soon as possible.

SAFETY INFORMATION

Contains volatile flammable solvents. Apply in well-ventilated, no smoking areas, away from naked flames. In closed spaces use ventilators and carbon active masks. Keep in mind that solvents are heavier than air so they creep on the floor. The MSDS (Material Safety Data Sheet) is available on request.

TECHNICAL SPECIFICATIONS

In liquid form (before application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield)	cP	ASTM D2196-86 @ 25 °C	40-50
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811 @ 20 °C	0.9-1

In cured form (after application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Tensile strength at break @ 23 °C	Kg/cm ² (N/mm ²)	ASTM D412 / EN-ISO-527-3	300 (30)
Elongation @ 23 °C	%	ASTM D412 / EN-ISO-527-3	> 300
Dry to touch: • On DRY cement	hours	-	4-6
Application of main membrane	hours	-	12-24
Adhesion to cement	mPa	ASTM D1640	> 4

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