

## MICROSEALER-50

## Product Data Sheet

### 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 that 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.

#### 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**.

#### Compliance

- The adhesion strength of **MICROSEALER-50** exceeds the requirements of EOTA (European Organization of Technical Approval).
- **CE certified** according EN 1504-2:2004.

#### Features & Benefits

- One component.
- 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.

#### Consumption

Minimum total consumption: **100-300 gr/m<sup>2</sup>** in one or two coats

#### Limitations

- Will discolour when used on its own exposed. This is purely visual and does not affect the performance of the membrane.
- If the concrete is very porous, the material may penetrate to a degree that no film is created on the surface. In this case, there will be need for subsequent coating in order to create the dust free primed surface. In cases of extreme porosity, consider the use of less penetrating version **GEODESMO 50**.

#### 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.

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

#### 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.

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### 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.

### Cleaning

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

### Packaging

1 Lt, 5 Lt & 20 Lt.

### Technical Specifications

In Liquid Form (Before application):

Property	Units	Method	Specification
Viscosity (Brookfield)	cP	ASTM D2196-86, @ 25°C	30-60
Specific weight	gr/cm <sup>3</sup>	ASTM D1475 / DIN 53217 / ISO 2811, @ 20°C	0.95-1.05

In Cured Form (After application):

Property	Units	Method	Specification
Tensile strength at break @ 23°C	N/mm <sup>2</sup>	ASTM D412 / EN-ISO-527-3	30
Elongation @ 23°C	%	ASTM D412 / EN-ISO-527-3	>300
Dry to touch: On Dry Cement	hours	-	6-12
Application of main membrane	hours	-	12-24
Adhesion to cement	MPa	ASTM D1640	>4

For more information on Hyperdesmo, Aquasmart & Hyperseal range of products and application methods

Please contact Alchimica Technical Service at [info@alchimica.co.in](mailto:info@alchimica.co.in)

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