

## GEODESMO-50

### Low viscosity, polyurethane based all-purpose primer

#### DESCRIPTION

Geodesmo-50 is a one component, polyurethane based primer suitable for all substrates. It can be used successfully on both porous or non-porous substrates.

It is characterised by its very low viscosity and balanced curing speed which result in excellent wetting, impregnation and paint-over time on all 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.

Apply with brush or roller.

Consumption:

On concrete 100-500 gr/m<sup>2</sup>, subject to substrate porosity.

#### RECOMMENDED FOR

To be used as **primer** for:

- Humid, damp or wet concrete,
- non-porous substrates

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

#### LIMITATIONS



Will discolor 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 applied, even on wet concrete.

- 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.

#### Thinning:

In order to reduce the chance of bubble formation and to help keep consumption below 500 gr/m<sup>2</sup>,

#### Application:

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

#### CONSUMPTION

**Concrete: 100-500 gr/m<sup>2</sup>**, subject to substrate porosity.

#### CLEANING

Due to the very high strength of adhesion of GEODESMO-50, avoid staining surrounding areas. Clean tools and equipment first with paper and then using SOLVENT-01. Rollers will not be re-usable.

#### PACKAGING

1 kg, 5 kg, 25 kg and drums.

#### SHELF LIFE

Can be kept for 12 months minimum in the original unopened pails in dry places and at

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temperatures of 5-25 °C. Once opened, use as soon as possible.

ventilated, no smoking areas, away from naked flames. In closed spaces use ventilators and carbon active masks. The M.S.D.S. (Material Safety Data Sheet) is available on request.

### SAFETY INFORMATION

GEODESMO-50 contains solvents. Apply in well-

### TECHNICAL SPECIFICATIONS

#### In liquid form (before application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield)	cP	ASTM D2196-86 @ 25 °C	150-250
Specific weight	gr/cm <sup>3</sup>	ASTM D1475 / DIN 53217 / ISO 2811 @ 20 °C	0.98

#### In cured form (after application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Tensile strength at break @ 23 °C	Kg/cm <sup>2</sup> (N/mm <sup>2</sup> )	ASTM D412 / EN-ISO-527-3	350 (35)
Elongation @ 23 °C	%	ASTM D412 / EN-ISO-527-3	> 150
Dry to touch: • On DRY cement • On WET cement	hours	-	1-2 1
Application of main membrane	hours	-	24 - 48
Adhesion to cement	mPa	ASTM D1640	> 4
Adhesion of HYPERDESMO <sup>®</sup> to GEODESMO PRIMER	mPa	ASTM D1640	> 5

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