

UNIVERSAL PRIMER-2K-4060

Two-Component, Solvent-Free, Polyurethane Based Primer.

DESCRIPTION

UNIVERSAL PRIMER-2K-4060 is a two-component, solvent-less primer, for use with the **HYPERDESMO® System** and other polyurethane based products within the ALCHIMICA™ line-up.

It is fast-curing and non-toxic (has zero V.O.C.). Specially formulated for ensuring strong adhesion on humid or wet concrete.

Apply with brush or roller. Total consumption, **100-200 gr/m²**, subject to substrate porosity.



- UNIVERSAL PRIMER-2K-4060 is a rapidly curing product. For easier application, thinning with 5-10% of SOLVENT-01 is advised.
- For application on non-porous dry concrete, further thinning may be required to improve adhesion.
- **Warning:** Thinning means that the product no longer has zero V.O.C.. Please refer to the safety information further below.
- Do not exceed **200 gr/m²**.

COMPLIANCE

The strength of adhesion provided by UNIVERSAL PRIMER-2K-4060 exceeds the requirements of EOTA (European Organization of Technical Approval).

RECOMMENDED FOR

To be used as primer for:

- Humid, damp or wet concrete, even if covered by a film of water,
- metals (also galvanized), aluminium, marble,
- strengthening interlayer adhesion of other

products,

- application under conditions of insufficient ventilation,
- asphalt and asphaltic membranes,
- other, non-polyurethane based systems, e.g. acrylic paints.

LIMITATIONS

In case of uncertainty about adhesion on a particular substrate (especially on plastics), due to its type or condition, testing of suitability is highly recommended prior to use.

FEATURES & BENEFITS

- Excellent adhesion to almost any type of surface.
- Solvent-less: Suitable for application in closed spaces.
- Cures even at low temperatures and on wet concrete.
- Highly hydrophobic.
- Can provide an effective sealing coat if charged with mineral fillers.
- Can be used as filler and adhesive for geotextiles.

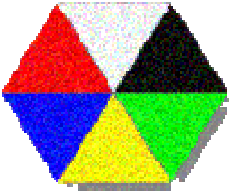
APPLICATION PROCEDURE

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 which need to be filled, charge UNIVERSAL PRIMER-2K-4060 with sand.

Mixing:

Mix the two components well. In high temperatures, pour mixture in shallow, wide container in order to increase pot life.





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Thinning:



- **ONLY** use SOLVENT-01 for thinning, **ONLY** in open/well ventilated spaces!
- Do **NOT** thin if used on humid, damp or wet surfaces!
- For increased pot life and/or reduced consumption, add 5-10%.
- Thin further for application on non-porous dry concrete.

Application:

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

CONSUMPTION

100-200 gr/m², subject to substrate porosity. Do not exceed **200 gr/m²**.

CLEANING

Clean tools and equipment first with paper and

then using SOLVENT-01. Rollers will not be reusable.

PACKAGING

1 kg (0.4 + 0.6 kg), 4 kg (1.6 + 2.4 kg) and 20 kg (8 + 12 kg).

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

UNIVERSAL PRIMER-2K-4060 is free of solvents. Nevertheless, you are advised, required if thinned, to observe the standard safety rules: Apply in well-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.

TECHNICAL SPECIFICATIONS

In liquid form (before mixing and application):

PROPERTY	UNITS, METHOD	COMPONENT A (isocyanates)	COMPONENT B (polyols & amines)
Viscosity (Brookfield)	cP, ASTM D2196-86 @ 25 °C	200	3,500
Specific weight	gr/cm ³ , ASTM D1475 / DIN 53217 / ISO 2811 @ 20 °C	1.2	1.0
Colour	-	dark brown	transparent
Mixing ratio by weight	A : B, by weight	1 : 1.5	
Mixing ratio by volume	A : B, by volume	1 : 2	





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Adhesion test by ASTM D4541:

SUBSTRATE	FORCE	RESULT
Galvanised steel	> 10 mPa	Pulley failure
Concrete	> 4 mPa	Concrete failure
Wet concrete	> 4 mPa	Concrete failure
Marble	> 5 mPa	Pulley failure
HYPERDESMO® on UNIVERSAL PRIMER -2K-4060	> 5 mPa	Pulley failure

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