

UNIVERSAL PRIMER-2K-4060

Two-component, solvent-free, polyurethane based primer.

DESCRIPTION

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

It is fast curing (same day primer) and non-toxic (has zero V.O.C.). Primer ideal for use in cold climates or low humidity conditions.

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 10-20% of SOLVENT-01 is advised for well grinded and dust-vacuumed substrates.
- For application on non-porous dry concrete, further thinning may be required to improve adhesion (even up to 30%).
- **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** per coat.

COMPLIANCE - CERTIFICATION

CE certified according ETAG 005 (parts 1 & 6) as part of various **HYPERDESMO®** Systems.

RECOMMENDED FOR

To be used as primer for:

- bitumen and asphaltic membranes before application of any of the **HYPERDESMO®** range products
- application under conditions of insufficient ventilation,

- other, non-polyurethane based systems, e.g. acrylic paints.

LIMITATIONS

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

Main coat must be applied maximum 12 hours after primer application.

FEATURES & BENEFITS

- Excellent bitumen-oil barrier. Ideal primer for application over bitumen membranes for subsequent application of **HYPERDESMO®**.
- Solvent-less: Suitable for application in closed spaces.
- Highly hydrophobic.
- 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.

Mixing:

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

Thinning:

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- **ONLY** use SOLVENT-01 for thinning, **ONLY** in open/well ventilated spaces!
- For increased pot life and/or reduced consumption, add 5-10%. Empty mixed pail contents either in a shallow container or directly on the surface to be primed in order to increase the pot life further.

Application:

Apply with brush or roller. Once cured (after 2-3 hours), the main membrane (e.g. **HYPERDESMO**[®] System) should be applied.

CONSUMPTION

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

CLEANING

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

PACKAGING

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

SHELF LIFE

12 months in the original unopened pails (stored 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	200-300	1,500-3,000
Specific weight	gr/cm ³ , ASTM D1475 / DIN 53217 / ISO 2811 @ 20 °C	1.20-1.25	0.95-1.05
Colour	-	dark brown	Transparent yellow
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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