

# 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/m<sup>2</sup>**, 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/m<sup>2</sup>** 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
- metals (also galvanized), aluminium, marble,
- 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.

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## Thinning:



- **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**<sup>®</sup> System) should be applied.

## CONSUMPTION

**100-200 gr/m<sup>2</sup>**, subject to substrate porosity. Do not exceed **200 gr/m<sup>2</sup>** per coat.

## 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

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 <sup>3</sup> , 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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