

# 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.). 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 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/m<sup>2</sup>**.

### 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:

- General use,
- metals (also galvanized), aluminium, marble,
- enhancing 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.



Certified quality, environmental and occupational health & safety management systems:  
ISO 9001/14001 & OHSAS 18001.

# UNIVERSAL PRIMER-2K-4060

## Thinning:



- **ONLY** use SOLVENT-01 for thinning, **ONLY** in open/well ventilated spaces!
- 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/m<sup>2</sup>**, subject to substrate porosity. Do not exceed **200 gr/m<sup>2</sup>**.

## 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

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 <sup>3</sup> , 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	

## Adhesion test by ASTM D4541:

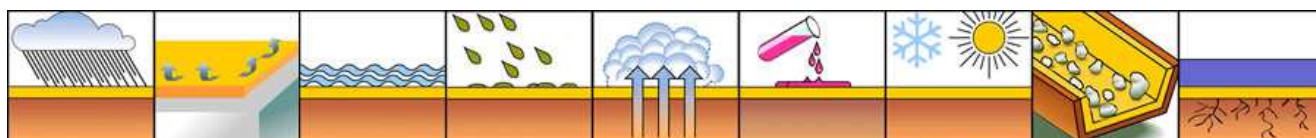


Certified quality, environmental and occupational health & safety management systems:  
ISO 9001/14001 & OHSAS 18001.

## UNIVERSAL PRIMER-2K-4060

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

NONE OF OUR PUBLISHED INSTRUCTIONS AND SPECIFICATIONS, IN WRITING OR OTHERWISE, ARE BINDING EITHER IN GENERAL OR WITH RESPECT TO ANY THIRD PARTY RIGHTS, OR DO THEY RELIEVE INTERESTED PARTIES OF THEIR DUTY TO SUBJECT THE PRODUCT TO AN ADEQUATE EXAMINATION OF ITS SUITABILITY. IN NO EVENT WILL ALCHIMICA™ S.A. BE RESPONSIBLE FOR DAMAGES OF ANY NATURE, WHATSOEVER, RESULTING FROM THE USE OF OR RELIANCE UPON INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.



Certified quality, environmental and occupational health & safety management systems:  
ISO 9001/14001 & OHSAS 18001.