

## Universeel Primer FC

Date : 23/08/2017

Revision : 30/04/2018

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**Low viscosity, fast curing, polyurethane based all-purpose primer**

### PRODUCT INFORMATION

#### DESCRIPTION:

**UNIVERSEL PRIMER FC** is a one component, fast curing polyurethane-based primer suitable for all substrates. It can be used successfully on both porous and non-porous substrates.

It is very similar in viscosity and wetting ability as **UNIVERSEL PRIMER** but has an increased curing speed (same day primer) which allows it to be used more successfully in colder climates and when rain is not very predictable. It is the preferred option in cases of extreme porosity in concrete surfaces where multiple coats of **Universeel primer** may be required.

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.

### FEATURES AND BENEFITS

- One Component
- Fast Curing
- Very low Viscosity.
- Easy application even on wet concrete.
- Excellent over painting time.
- Stay elastic

### RANGE OF USAGE

- Humid, damp or wet concrete,
- Faster curing version of **UNIVERSEL PRIMER**

### TECHNICAL INFORMATION

In liquid form (before application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield)	cP	ASTM D2196-86 @ 25 °C	150-250

#### Headoffice

ETS Europe  
Herentalsebaan 406 D1  
2160 Wommelgem  
Belgium

T: +32 (0) 3 227 28 58  
F: +32 (0) 3 475 16 66  
E-mail: [info@ets-europe.be](mailto:info@ets-europe.be)  
[www.ets-europe.be](http://www.ets-europe.be)

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Specific weight	gr/cm <sup>3</sup>	ASTM D1475 / DIN 53217 / ISO 2811 @ 20 °C	+/-1
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### 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	300 (30)
Elongation @ 23 °C	%	ASTM D412 / EN-ISO-527-3	> 100
Dry to touch: • On DRY cement • On WET cement	hours	-	1-2 1
Application of main membrane	hours	-	2-24
Adhesion to cement	mPa	ASTM D1640	> 3.5
Adhesion of HYPERDESMO® to UNIVERSEL PRIMER FC PRIMER	mPa	ASTM D1640	> 4

### **APPLICATION PROCEDURE**

#### **PREPARATION OF SUBSTRATE:**

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 be removed. Fill surface irregularities with the appropriate product.

#### **MIXING AND APPLICATION:**

The contents of the pail should be thoroughly mixed with a mechanical mixer to ensure product is completely homogenized before application. Prolonged storage may induce slight sedimentation and/or separation that must be re-homogenized.

### **TOOLS AND CLEANING**

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Tools for applying: brush, spatula, or airless spray. Clean tools and equipment first with paper towels and then using SOLVENT-01.

#### **CONSUMPTION**

Total consumption: **2 kg/m<sup>2</sup>** in one or two coats.

#### **PACKAGING AND SHELF LIFE**

**Packaging:** 1 Lt, 4 Lt kg, 20 Lt

**Shelf life:** Can be kept for 6 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, ECOLOGY AND ELIMINATION**

Contains a small quantity of volatile flammable solvents. Apply in well-ventilated, no smoking areas, away from naked flames. In closed spaces use ventilators and carbon active masks. Keep in mind that solvents are heavier than air so they creep on the floor. The MSDS (Material Safety Data Sheet) is available on request.

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Belgium

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[www.ets-europe.be](http://www.ets-europe.be)

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