

# HYGROSMART® – PU PLASTER

## Water repellent, pasty, ready to use, Aliphatic Polyurethane Plaster

### DESCRIPTION

**HYGROSMART®-PU-PLASTER** is a ready-to-use, pasty, aliphatic polyurethane plaster which is based on the technology of the **HYPERDESMO® System**. It comes in white or colored versions, and it is ideal for the **HYGROSMART® COVER OVER** external thermal insulation system of **ALCHIMICA™**.

It is characterized by its excellent adhesion, water repellency, high elasticity, weather and UV resistance. It is suitable for both outdoor and indoor use.

### COMPLIANCE-CERTIFICATION

The product is **CE** certified according to the European Standard **EN 15824:2017**.

### RECOMMENDED FOR

- **HYGROSMART®-PU-PLASTER** is ideal as the final coating in constructions with external thermal insulation systems (**HYGROSMART® COVER OVER**) due to its excellent adhesion and high elasticity.
- Ideal for application of white or colored water-repellent coatings of low thickness and smooth texture.
- Ideal for application on any building material, such as concrete, plasterboard, cement boards, etc., outdoors and indoors.

### FEATURES & BENEFITS

- Water repellent.
- Easy to apply.
- More elastic than acrylic plasters.
- Excellent weather and UV resistance.
- Excellent adhesion.
- Easy coloring of product.
- Suitable for outdoor and indoor use.

### PACKAGING

Pails of 5 kg, 25 kg.

**Color:** White, neutral, possibility of coloring.

### AVAILABLE TYPES

**HYGROSMART®-PU-PLASTER**, depending on the granulometry, it is available in the following types:

TYPE
<b>HYGROSMART®-PU-PLASTER 1,0 mm</b>
<b>HYGROSMART®-PU-PLASTER 1,2 mm</b>
<b>HYGROSMART®-PU-PLASTER 1,5 mm</b>

### CONSUMPTION

#### HYGROSMART®-PU-PLASTER

1,0mm = 1,9-2,1 kg/m<sup>2</sup>

1,2mm = 2,3-2,5 kg/m<sup>2</sup>

1,5mm = 2,9-3,1 kg/m<sup>2</sup>

## HYGROSMART® – PU PLASTER

### APPLICATION

#### 1. Substrate preparation

When the substrate is completely dry and free of loose materials, oils, dust, etc., the surface can be treated with the special primer **HYGROSMART®-TH-PRIMER / HYGROSMART®GD-PRIMER**. After the primer dries, **HYGROSMART® – PU PLASTER** is applied.

#### 2. Application

Prior to the application of **HYGROSMART® – PU PLASTER**, it is recommended to stir it well. Stirring should be done in slow circular motions, to avoid creating bubbles. The product can be applied either with stainless steel, smooth, metallic spatula or with a spraying machine.

As long as the plaster is still fresh, it may be finished with using a plastic spatula. The exact time of final treatment depends on the ambient temperature and the substrate absorption.


### STORAGE

The product can be kept for minimum 12 months in the original unopened packaging. Should be stored in dry conditions and at temperatures of 5-25 °C. Once opened, use as soon as possible.

### SAFETY

For any information regarding product safe use, please consult the product Safety Data Sheet.

### TECHNICAL SPECIFICATIONS


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<b>ALCHIMICA S.A.</b> 7, Lampsakou Str., 11528 Athens-Greece
No 4-0005
EN 15824:2017 2085 "HYGROSMART – PU – PLASTER" Aliphatic Polyurethane Plaster Ideal for the system HYGROSMART COVER OVER. www.alchimica.com

Essential characteristics	Performance	Harmonized technical specification
Water vapour transmission rate, V	205 g/ (m <sup>2</sup> .d) cat. V1	EN 15824:2017
Liquid water permeability, W	0.1 kg/(m <sup>2</sup> .h <sup>0.5</sup> ) cat. W3	
Bond strength by pull-of test	1.45 N/mm <sup>2</sup>	
Bond strength by pull-of test (with primer)	1.6 N/mm <sup>2</sup>	
Thermal conductivity	0,6 W/(m.K)	
Reaction to fire	Class A2-S1	

## HYGROSMART® – PU PLASTER

PROPERTIES	
Material	Pasty
Color	White, neutral, possibility of coloring
Density (g/cm <sup>3</sup> )	1,95-2,05
Water Absorption (Internal Method, %)	8
pH	8-9

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