

# HYGROSMART® – TH- PLASTER

**Acrylic, pasty, water repellent,  
ready to use plaster**

## DESCRIPTION

**HYGROSMART®-TH-PLASTER** is a ready-to-use, pasty, acrylic plaster, white or colored. It is ideal for the **HYGROSMART®-COVER OVER** external thermal insulation system of **ALCHIMICA™**. It is characterized by its excellent adhesion, water repellency and high elasticity. It is suitable for outdoor and indoor use.

## COMPLIANCE-CERTIFICATION

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

## RECOMMENDED FOR

- **HYGROSMART®-TH-PLASTER** is ideal as the final coating in constructions in order to insulate them 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.

## PACKAGING

Pails of 5 kg, 25 kg.

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

## AVAILABLE TYPES

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

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

## CONSUMPTION

### HYGROSMART®-TH-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>

## 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® – TH-PLASTER** is applied.

## HYGROSMART® – TH- PLASTER

### 2. Application

Prior to the application of **HYGROSMART® – TH- 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><br>7, Lampsakou Str., 11528 Athens-Greece  |
| No 4-0065  |
| EN 15824:2017<br>2085<br>"HYGROSMART –TH- PLASTER"<br>Acrylic rendering and plastering mortar.<br>Ideal for the system HYGROSMART COVER OVER.<br>www.alchimica.com |

| Essential characteristics                   | Performance   | Harmonized technical specification |
|---|---|------------------------------------|
| Water vapor transmission rate, V            | 195 g/(m <sup>2</sup> .d) cat. V1                   | EN 15824:2017                      |
| Liquid water permeability, W                | 0.06 kg/(m <sup>2</sup> .h <sup>0.5</sup> ) cat. W3 |                                    |
| Bond strength by pull-of test               | 1.4 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<sup>®</sup> – TH- PLASTER

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

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