

# HYGROSMART® - SILICONE - PLASTER

## Silicone, pasty, water repellent, ready to use plaster

### DESCRIPTION

**HYGROSMART®-SILICONE-PLASTER** is a ready-to-use, pasty, silicon 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, high elasticity and high water vapor transmission. 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®- SILICONE -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®-SILICONE-PLASTER**, depending on the granulometry, it is available in the following types:

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

### CONSUMPTION

#### **HYGROSMART®- SILICONE -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® - SILICONE -PLASTER** is applied.

#### 2. *Application*

Prior to the application of **HYGROSMART® - SILICONE -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,

## HYGROSMART® - SILICONE - PLASTER

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.


### SAFETY

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

### 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.

### TECHNICAL SPECIFICATIONS


22
<b>ALCHIMICA S.A.</b> 7, Lampsakou Str., 11528 Athens-Greece
No 21-M
EN 15824:2017 2928 "HYGROSMART -SILICONE- PLASTER" Silicone, rendering and plastering mortar. Ideal for the system HYGROSMART COVER OVER.
www.alchimica.com

Essential characteristics	Performance	Harmonized technical specification
Water vapor transmission rate, V	203 g/(m <sup>2</sup> .d) cat. V1	EN 15824:2017
Liquid water permeability, W	0.03 kg/(m <sup>2</sup> .h <sup>0.5</sup> ) cat. W3	
Bond strength by pull-of test	1.5 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> - SILICONE - PLASTER

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

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. ALCHIMICA S.A. RESERVES THE RIGHT TO CHANGE AT ANY TIME THE PROPERTIES OF ITS PRODUCTS. PLEASE REFER TO THE CURRENT VERSION OF THE TECHNICAL DATA SHEET, AVAILABLE FROM OUR WEB SITE [WWW.ALCHIMICA.COM](http://WWW.ALCHIMICA.COM)

