HYGROSMART® – GD PRIMER

Multipurpose Primer, Ready to use, Adhesion Enhancer for Walls and Floors

DESCRIPTION

HYGROSMART®-GD PRIMER is a multipurpose primer, based on synthetic acrylic resins and quartz aggregates, ready for use on indoors and outdoors walls and floors. It creates a rough surface ideal for plastering and levelling mortars, securing an excellent adhesion.

It is suitable as adhesion enhancer for cementitious renders, gypsum plasters and lime on substrates from concrete, bricks, cement blocks. It may also be used to enhance the adhesion of ceramic tiles adhesives on smooth or low absorption surfaces.

HYGROSMART®-GD PRIMER neutral can also be used as a primer for the system **HYGROSMART®-TH PLASTER.**

COMPLIANCE-CERTIFICATION

The product is **CE** certified according to the European Standard EN 1504-2.

RECOMMENDED FOR

- Application of plasters on concrete or wall blockwork.
- Flooring adhesion enhancer on ceramic tiles and natural stones.

LIMITATIONS

- Application temperatures of **HYGROSMART®-GD PRIMER** should be between 5°C and 35°C.
- Not recommended for applications with rising humidity.

FEATURES AND BENEFITS

- Ready to use
- Easy application

APPLICATION

Substrate Preparation:

Clean the surface and remove oil, salts, grease and wax contaminants as well as cement laitance, loose particles, mold release agents, any curing membranes. The substrate surface should be dampened well before application.

Application:

HYGROSMART®-GD PRIMER is applied with roller, brush or spray. Good stirring is necessary before application. Minimum waiting time before application of plaster should be between 15 and 60 minutes, depending on environmental conditions and substrate absorption.

The temperature during application should be between +5°C and +35°C.

CONSUMPTION

0.20-0.30 kg/m2 depending on substrate absorption.

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CLEANING

Brushes and tools can be cleaned with water. Dried product cannot be cleaned with water and can be removed only by mechanical means.

PACKAGING

Pails of 1kg, 5kg, 15kg.

Color: Red or neutral

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

PROPERTY	UNIT	RESULT
Material		creamy liquid
Color	-	Red or neutral
Density	gr/cm3	1.60-1.70
pH		8-9
Dry content	%	75-77
Application temperature	°C	5-35
Waiting time before application of plaster	min	15-30 (depending on temperature and substrate absorption)

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ALCHIMICA A.E. 7 Lampsakou, Athens, Greece
2085-CPR-061/05.03.2020
EN 1504-2:2004 2085 HYGROSMART GD-PRIMER Concrete surface protection systems – Coating
www.alchimica.com

Essential characteristics	Performance	Harmonized technical specification
CO_2 permeability, m	S_D>50	EN 1504-2:2004
Permeability to water vapor, m	S_D<5 Class I	
Capillary absorption, kg/m^{2}·h$^{0.5}$	w<0.1	
Adhesion strength by pull-off test, N/mm^2	≥1.0	
Abrasion resistance, mg	<3000	
Impact resistance, N.m	≥4 Class I	
Reaction to fire	Euroclass F	

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