

## HYGROSMART® –ADHESIVE A60

### High Performance Cement Based Adhesive with No Vertical Slip

#### DESCRIPTION

**HYGROSMART®-ADHESIVE A60** is high quality cement based tile adhesive. It displays excellent technical characteristics and no vertical slip. The material is easily applied on both horizontal and vertical substrates, and has excellent adhesive properties.

#### COMPLIANCE-CERTIFICATION

The product is **CE** certified as a type **C2TE** adhesive according to the European Standard **EN 12004:2007+A1:2012**.

#### RECOMMENDED FOR

Recommended as a tile adhesive for installation of ceramic tiles on floors and walls for both internal and external use. Suitable for application on surfaces with high adhesion requirements.

#### FEATURES AND BENEFITS

- Easy application
- Long open time
- Excellent adhesion on construction substrates
- Excellent technical characteristics
- No vertical slip
- Non-Toxic

#### APPLICATION PROCEDURE

##### Substrate Preparation:

Remove oil, grease and wax contaminants, cement laitance, loose particles. Fill surface irregularities with the necessary product.

Homogenize the mixture of tile adhesive with water until no lumps are visible. If the substrate is very dry, it is recommended that it is dampened before installation. Apply the adhesive and fix tiles applying moderate pressure.

##### Mixing-Application:

**HYGROSMART®-ADHESIVE A60** (25Kg) is added gradually under mechanical mixing to 7-8 Kg water (% water approximately 30% b.w of tile adhesives). Allow mix to stand for 5 minutes and re-mix.

The substrate is dampened and the adhesive is applied by notched trowel.

The tile adhesive, after application and "combing", should be covered with tiles within 30 minutes.

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

#### CONSUMPTION

3-5 Kg/m<sup>2</sup>.

#### 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

25Kg paper bags. **Color:** White

## HYGROSMART<sup>®</sup> –ADHESIVE A60


### 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

**HYGROSMART<sup>®</sup>-ADHESIVE A60** contains cement and is therefore irritating. Please use protective equipment and clothing during application.

### TECHNICAL SPECIFICATIONS

 2085	
<b>ALCHIMICA S.A.</b> Lampsakou 7, Athens - GREECE	
18 PTD-006/15112018	
EN 12004:2007+A1:2012 <b>HYGROSMART ADHESIVE A60</b> Cementitious adhesive for ceramic tiles for external and internal use	
PROPERTY	PERFORMANCE
High initial tensile adhesion strength	≥1.0 N/mm <sup>2</sup>
High tensile adhesion strength after water immersion	≥1.0 N/mm <sup>2</sup>
High tensile adhesion strength after heat ageing	≥1.0 N/mm <sup>2</sup>
High tensile adhesion strength after freeze-thaw cycles	≥1.0 N/mm <sup>2</sup>
Open time (extended): tensile adhesion strength after not less than 30 min	≥0.5 N/mm <sup>2</sup>
Slip	≤0.5 mm
Reaction to fire	Euroclass A1
Dangerous substances	In accordance with 4.5

## HYGROSMART<sup>®</sup> –ADHESIVE A60

PROPERTY	UNIT	RESULT
Water requirement	%	30 by weight
Application thickness	mm	Up to 10
Pot life in the pail	h	≥6
Open time	min	≥30
Micro adjustment time	min	≥30

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