

HYGROSMART® –ADHESIVE A30

High Performance Cement Based Adhesive with No Vertical Slip

DESCRIPTION

HYGROSMART®-ADHESIVE A30 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 **C1T** 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 internal use. Suitable for application on surfaces with high adhesion requirements, cement screeds, concrete and gypsum plaster.

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 A30 (25Kg) is added gradually under mechanical mixing to 6-7 Kg water (water approximately 25-30% 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 20 minutes.

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

CONSUMPTION

3-5 Kg/m².

CLEANING

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

HYGROSMART® –ADHESIVE A30

PACKAGING

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


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®-ADHESIVE A30 contains cement and is therefore irritating. Please use protective equipment and clothing during application.

TECHNICAL SPECIFICATIONS

|  2085 | |
|---|------------------------|
| ALCHIMICA S.A. Lampsakou 7, Athens - GREECE | |
| 18 PTD-007/15112018 | |
| EN 12004:2007+A1:2012 HYGROSMART ADHESIVE A-30 Cementitious adhesive for ceramic tiles for external and internal use | |
| PROPERTY | PERFORMANCE |
| Initial tensile adhesion strength | ≥0.5 N/mm ² |
| Tensile adhesion strength after water immersion | ≥0.5 N/mm ² |
| Tensile adhesion strength after heat ageing | ≥0.5 N/mm ² |
| Tensile adhesion strength after freeze-thaw cycles | ≥0.5 N/mm ² |
| Open time: tensile adhesion strength after not less than 20 min | ≥0.5 N/mm ² |
| Slip | ≤0.5 mm |
| Reaction to fire | Euroclass A1 |
| Dangerous substances | In accordance with 4.5 |

HYGROSMART[®] –ADHESIVE A30

| PROPERTY | UNIT | RESULT |
|-----------------------|------|-----------------|
| Water requirement | % | 25-30 by weight |
| Application thickness | mm | Up to 10 |
| Pot life in the pail | h | ≥6 |
| Open time | min | ≥20 |
| Micro adjustment time | min | ≥30 |

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