

# EUNITILE A1

## CEMENTITIOUS TILE ADHESIVE FOR GENERAL PURPOSES

### DESCRIPTION

EUNITILE A1 adhesives are cement-based, standard-performance tile adhesives suitable for installing ceramic tiles on stable substrates such as concrete or cement plaster. They provide reliable adhesion and moderate slip resistance, making them ideal for applications in low-moisture environments like living rooms, bedrooms, and corridors. EUNITILE A1 adhesives are best suited for areas with light traffic and where there are no significant thermal or mechanical stresses.

### USES

EUNITILE A1 serves as a versatile solution for various tiling applications:

- Excellent for fixing ceramic tiles
- Suitable for both external and internal applications
- Tiling on stable surfaces like concrete, cement plaster, or masonry
- Applicable for both wall and floor installations

### ADVANTAGES

- Suitable for indoor wall and floor applications where high slip resistance is not critical
- Easy to use
- Offers reliable adhesion for ceramic tiles on stable surfaces
- Suitable for internal and external applications

### STANDARD

EUNITILE A1 complies with the following standards: ISO 13007-1 and BS EN 12004 as a normal cementitious tile adhesive with slip resistance (C1T).

### TYPICAL PROPERTIES

|   |  |
|---|--|
| Appearance  | White Powder                           |
| Tensile Adhesion Strength in Compliance with (EN 12004-2) |  |
| Initial Bond @ 28 days                                    | ≥0.5 Mpa                               |
| After Heat Exposure                                       | ≥0.5 Mpa                               |
| After Water Immersion                                     | ≥0.5 Mpa                               |
| After Freeze,Thaw Cycles                                  | ≥0.5 Mpa                               |
| Slip  | < 0.5                                  |
| Pot Life  | 5 - 6 Hours                            |
| Compressive Strength @ 7days                              | > 4.0 Mpa                              |
| Open Time   | 20 min. @20 °C & 50% relative humidity |
| VOC   | < 10 g/ltr                             |

Note : Pot life and open time properties are depending on weather conditions.

### APPLICATION

#### SURFACE PREPARATION

Before using EUNITILE A1, it is essential to prepare the surface properly. All surfaces must be clean, dimensionally stable, sound and free from oil, grease, mold release agents and curing compounds. Additionally, ensure that the tiles are dry and free of contaminants that could compromise adhesion. Please note that EUNITILE A1 is not suitable for use on painted or metal surfaces, nor is it recommended for bonding glass mosaics.

## MIXING

To prepare EUNITILE A1 for use, add (4.0 - 4.5 L) of clean water for each 20 kg bag.

Add the water to a clean container, then slowly add the powder while continuously mixing using a forced-powered mixer until a uniform and lump-free consistency is achieved.

For optimal results, allow the mixture to stand for 5 minutes before application.

It is recommended to mix the full bag using a forced-action mixer. All tools should be cleaned immediately after use with fresh water, and any hardened material should be removed mechanically.

## APPLICATION INSTRUCTIONS

To achieve the best results when using EUNITILE A1, follow these application guidelines:

- Apply EUNITILE A1 to the substrate to achieve a uniform thickness of 3 mm - 6 mm, or enough to cover the studs or keys on the tile back (limit the working area to no more than 1 m<sup>2</sup>)
- For all horizontal applications and ceramic tiles, solid bed fixing is recommended. Alternatively, you can choose to apply EUNITILE A1 as a buttered layer on the backs of the tiles to ensure complete adhesive contact
- Ensure that the tiles are dry, and fix them by pressing into place with a slight twisting motion to guarantee full contact between the tile back and the adhesive

Note: Be mindful not to apply adhesive over an area larger than what can be covered within the product's open time.

## COVERAGE

The coverage of EUNITILE A1 is approximately 5.5 - 6.5 m<sup>2</sup> per bag at 2 mm thickness.

## PACKAGING

EUNITILE A1 is supplied in 20 Kg bags.

## STORAGE

EUNITILE A1 should be stored in a cool, dry place, away from direct sunlight and extreme heat and cold.

## DISCLAIMER

ECA aims to ensure the accuracy of information and recommendations in the product literature. However, due to variations in materials, substrates, and site conditions, and without control over product application, storage, weather, and usage conditions, ECA cannot be held liable for any resulting issues.