# EUNITILE A1

**GENERAL PURPOSE CEMENTITOUS TILE ADHESIVE**

## DESCRIPTION

EUINTILE A1 adhesive is a cement-based, standard-performance tile adhesive suitable for installing ceramic tiles on stable substrates such as concrete or cement plaster. EUNITILE A1 provide reliable adhesion and moderate slip resistance, making it ideal for applications in low-moisture environments like living rooms, bedrooms, and corridors. EUINTILE A1 adhesive is 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
- 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:

- EN 12004:2017 Class C1T
- AS ISO 13007:2010 Class C1T

| TYPICAL PROPERTIES | |
|---|---|
| Appearance | White Powder |
| Mixed Density | ~ 1730 Kg/m$^3$ |
| **Tensile Adhesion Strength in Compliance with (EN 12004-2)** | |
| Initial | ≥ 0.5 Mpa |
| After Heat Exposure | ≥ 0.5 Mpa |
| After Water Immersion | ≥ 0.5 Mpa |
| Slip | ≤ 0.5 mm |
| Pot Life | 2 - 3 Hours |
| Open Time | 20 Minutes |
| Ready to Walk | 24 Hours Minimum |
| Ready for Grouting | Wall 8 Hours<br>Floor 24 Hours |
| Ready for Use | 7 days |

The inspected results obtained at normal lab conditions (Temperatures:23C ± 2 , RH 50 % ± 4 )

## 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 ( 5.0 - 5.5 ) liters of clean water for each 25 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, and it's important to note that once the adhesive has lost its workability, it should not be re-mixed by adding more water.

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 $m^2$)
- 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 $m^2$ per bag (25Kg) at 3 mm thickness.

## PACKAGING

EUNITILE A1 is supplied in 20 and 25 Kg bags.

## STORAGE

EUNITILE A1 Packages should be kept dry and cool between 5°C and 40°C in moisture-free conditions.

Avoid direct sunlight. Packages should be protected from water, frost, sunlight and adverse weatherconditions.

The shelf life of EUNITILE A1 is 12 months from the date of production.

## 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.