

EUNITILE A1+

GENERAL CEMENTITIOUS TILE ADHESIVE

DESCRIPTION

EUNITILE A1+ is a workable cementitious tile adhesive with extended open time and reduced slip. Formulated as a high-quality fixing adhesive, it is designed for a wide range of applications. EUNITILE A1+ contains cement, polymers, and additives, making it suitable for both internal and external applications.

USES

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

- Suitable for fixing ceramic, porcelain, and natural stone (marble)
- Excellent for both vertical and horizontal applications
- Suitable for non-porous tiles
- Suitable for both wet and dry areas such as kitchens and bathrooms
- Suitable for various general substrates

ADVANTAGES

- High impact resistance
- Increased durability for long-lasting results
- Easy to apply with good workability
- Extended open time for easier and quicker application
- Strong adhesive bond strength
- Non-sag, suitable for use on walls

STANDARD

EUNITILE A1+ complies with the following standards: ISO 13007-1 and BS EN 12004 as a modified cementitious tile adhesive with slip resistance and extended open time (C1TE).

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 (ASTM C190 & BS EN 196-1)	> 4.0 Mpa
Open Time	30 min. @20 °C & 50% relative humidity
VOC	< 10 g/ltr

Note : Pot life and open time properties are depending on

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 fresh 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 full bag volumes 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 2 mm - 6 mm, or enough to cover the studs or keys on the tile back. Limit the working area to no more than 1 m²
- For horizontal applications, especially with ceramic tiles, solid bed fixing is recommended. Alternatively, EUNITILE A1+ can be applied as a buttered layer on the backs of the tiles to ensure complete adhesive contact
- In all other vertical applications, use a notched trowel to comb the adhesive bed horizontally to remove excess
- Ensure that the tiles are dry and fix them by pressing them into place with a slight twisting motion to ensure full contact between the tile back and the adhesive

Notes:

- Avoid applying adhesive over an area larger than what can be covered within the open time of the product.
- For ceramic tiles, ensure a minimum 2 mm gap between tiles; avoid butt jointing.
- Adjustments to tile placement should only be made during the adhesive's open time.
- Remove any excess adhesive from the tile's face with a damp sponge or cloth before it sets.

COVERAGE

The coverage of EUNITILE A1+ is approximately 6.0 - 7.0 m² 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.

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

HEALTH AND SAFETY

For more information, please check the Material Safety Data Sheet.

CONTACT

For information regarding the licensee or manufacturer for ECA, please contact us at techsupport@alfaihaengineering.com.

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.