



EUNITILE A2(H)

DEFORMABLE CEMENTITIOUS ADHESIVE WITH HIGH SLIP RESISTANCE FOR SUBMERGED AREAS

DESCRIPTION

EUNITILE A2 (H) is a high-performance, deformable, non-slip, and hydrating cementitious adhesive. Ideal for laying all types of ceramic tiles, porcelain tiles, and stone on all common construction substrates where slight movements or deflections are likely.

USES

EUNITILE A2 (H) serves as a versatile solution for various tiling applications:

- Excellent for fixing ceramic, porcelain, and natural stones
- Suitable for submerged areas such as swimming pools and potable water tanks and reservoirs
- Ideal for tile-over-tile applications
- Suitable for fixing tiles over gypsum board
- Suitable for fixing tiles above underfloor heating systems
- Ideal for areas requiring high traffic durability

ADVANTAGES

- High adhesive bond strength and exceptional durability
- Easy to use
- Water-resistant
- Non-sag properties, ensuring tiles remain securely in place
- Excellent capacity to absorb deformations in substrates and tiles

STANDARD

EUNITILE A2 (H) complies with the following standards: ISO 13007-1/2 and BS EN 12004 as a modified cementitious tile adhesive with slip resistance and high deformability (C2TS1).

TYPICAL PROPERTIES

Appearance	White Powder
Tensile Adhesion Strength in Compliance with (EN 12004-2)	
Initial Bond @ 28 days	≥1.0Mpa
After Heat Exposure	≥1.0 Mpa
After Water Immersion	≥1.0 Mpa
After Freeze,Thaw Cycles	≥1.0 Mpa
Slip	< 0.5
Pot Life	5 - 6 Hours
Compressive Strength @ 7days (ASTM C190 & BS EN 196-1)	> 3.0 Mpa
Open Time	20 min. @20 °C & 50% relative
VOC	< 10 g/ltr
Pull-Off Strength (ASTM D4541)	0.9 Mpa
Transverse Deformation	≥ 2.5 mm

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

APPLICATION

surface preparation

Before applying EUNITILE A2 (H), it's essential to ensure that all substrates are clean, dry, and free of any contaminants that might hinder the bonding process. To optimize bonding, follow these steps: Spray a sufficient amount of clean, potable water on the substrate to neutralize its suction, which is particularly important for enhancing adhesion.

This step is especially crucial during hot and windy conditions. By lightly wetting the substrate before applying the tile adhesive, you'll create an ideal surface for the effective application of EUNITILE A2 (H).

MIXING

To prepare EUNITILE A2 (H) for use, add (5.6 - 7.0) L of fresh water for each 20 kg bags and (7.0 - 8.75) L of fresh water for 25Kg bags.

Start by adding 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's best to mix full bag volumes in a forced action mixer for optimal results. When applying the adhesive mortar, work on 1 m² at a time using a notched trowel.

Avoid trying to remix the product by adding more water if it loses its workability

APPLICATION INSTRUCTIONS

To achieve the best results when using EUNITILE A2 (H), follow these application guidelines:

- Apply EUNITILE A2 (H) to the substrate to achieve a uniform thickness of 3 mm - 5 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, it is recommended to use solid bed fixing. Alternatively, you can apply EUNITILE A2 (H) 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 them into place with a slight twisting motion to ensure full contact between the tile back and the adhesive
- Note: Avoid applying adhesive over an area larger than what can be covered within the open time of the product

COVERAGE

The coverage of EUNITILE A2 (H) is approximately 6.0 - 7.0 m² per 20 Kg bag at a thickness of 2 mm.

PACKAGING

EUNITILE A2 (H) is supplied in 20 kg and 25 Kg bags.

STORAGE

EUNITILE A2 (H) should be stored in a cool, dry place, away from direct sunlight and extreme heat and cold.

The shelf life of EUNITILE A2 (H) 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.