

Acotile 21

Cement-based Tile Adhesive

Product description

Acotile 21 is a one component cement-based tile adhesive for use indoor and outdoor. When using, just mix **Acotile 21** with clean water according to the appropriate mixing ratio.

Application

Acotile 21 is used indoor and outdoor to paste tiles (all sizes) and stones (light and medium weight) such as: Ceramic tiles, glazed tiles, natural and artificial decorative stones onto concrete surfaces, mortar and block bricks.

Advantage

- Easy to mix and apply, flexible mortar allows easier construction
- Retains moisture for a long time and reduces shrinkage and cracking
- Tiles can be adjusted after pasting
- High adhesion strength
- No need to moisten the tile surface before pasting
- Suitable for tropical and temperate climates.

Technical specification

Appearance	Grey powder
pH after mixing	12-13
Toxic	No
Packaging	25 kgs per bag
Expiry date	12 months
Storage and preservation	Store in a cool, dry place, away from moisture Place on pallets when not in immediate use Do not stack more than 10 bags in a row Close bags tightly after use.

Physical parameter

(According to the test method TCVN 7899 – 2:2008)

Indicator name	Standard	Result
Adhesion strength		
• In standard condition after 28 days	≥ 0.5	1.02 MPa
• After immersion in water (7 days in standard condition, 21 days in water at 27 ± 2°C)	≥ 0.5	0.97 MPa
Opening time	≥ 20	33 mins

Select the size of the trowel teeth according to the size of the tile follow this instruction:

Tile size	Depth of trowel tooth
50 – 108 mm	4 mm
108 – 200 mm	6 mm
≥ 200 mm	8 mm



Material consumption

Depth of trowel tooth	Acotile 21
4 mm	2.0 – 2.5 kg/m ²
6 mm	3.0 – 3.5 kg/m ²
8 mm	4.0 - 4.5 kg/m ²

The above rates are provided as a reference only, actual usage rate depend on the flatness of the surface.

Using instruction

Surface preparation

- Clean the surface of grease, concrete curing agents, cement slurry, concrete debris and other impurities
- Apply **Acotile 21** on a clean, hard and flat surface. For porous and friable surfaces, apply 1 or 2 layers of **Acobond A530** primer to harden the surface before apply **Acotile 21**
- If the old surface needs to be re-tiled, the old mortar must be cleaned first to avoid affecting the adhesion effect.

Construction

- Mix thoroughly **Acotile 21** with about 23 - 26% clean water (depending on the construction environment temperature)
- Depend on the size of the tile to choose the notch of the trowel. Plaster the mixed mortar on the surface, create ribs on the mortar surface with a U-shaped or Square notched trowel
- Paste the tile in the correct position, press and hammer firmly with a rubber hammer, wait until the mortar is dry and hard, then continue to apply the tile grout **Acotile TG1**.

Note:

- In case the construction area is too large, it should be divided into separate areas to avoid the mortar drying before paste the tiles due to the influence of weather and temperature
- Do not apply on a surface that is too wet
- The maximum time allowed for applying mixed mortar is 30 minutes
- The allowable temperature for construction is from 5°C to 35°C.

Cleaning tools

Clean tools and equipment with clean water after use.

Safety and health protection

- Keep away from children
- Acotile 21 contains alkali, so wear gloves, masks and protective equipment when mixing and applying
- Avoid contact with skin and eyes:
 - If contact with eyes: Rinse eyes under running water for at least 15 minutes. Go to the nearest medical facility immediately.
 - If contact with skin: Change protective clothing, clean the skin contact area with water several times. Clean protective clothings before use.

For any information related to the product, please contact adchem's sales representative or technical department.



adchem Joint Stock Company

Address: 3.11 OT-XO Sunrise City North, 27 Nguyen Huu Tho street, Tan Hung ward, district 7, Ho Chi Minh city, Vietnam

Tel: (+84) 28 3773 0668

Tax code: 0302749902

Email: info@adchem.vn

Website: www.adchem.vn