CHEMA FOAM

BUILD YOUR DREAM

CHEMA ADHESIVE 101

Single-component Cementitious Tile Adhesive powder, ready to use only requires adding water



Product Data

Color	Grey/white
Grade classification	**C1TE** according to EN12004
Packaging	20 - 50 kg
Shelf Life	Unopened packs can be stored for 12 months. Use oldest material first.
Storage	Store material in a clean dry area protected from high humidity, moisture, direct sunlight and extreme heat and cold.

Technical Data (at 25°C)

Description	Test Standard	Values	Unit
The density of the powder (mixed)		1.8 ±0.02	kg/l
Dry solids content		100	%
PH of mix		13	
Application temperature		+5 to +40	°C
Initial tensile adhesion Strength test after 28 days (Regular condition) (C1 >= 0.5)	EN 12004-2017	0.70	N/mm²
Tensile adhesion Strength test after 20 days (water immersion) (C1 >= 0.5)	EN 12004-2017	0.65	N/mm²
Tensile adhesion Strength test after 14 days (heat ageing) at 70°C (C1 >= 0.5)	EN 12004-2017	0.60	N/mm²
Vertical Slip (T <= 0.5)	EN 12004-2017	0.40	mm
Open Time (E >= 30)	EN 12004-2017	50	Minutes
Adjustability (depends on temp)		30	Minutes
Pot life (depends on temp)		60	Minutes

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AREAS TO USE

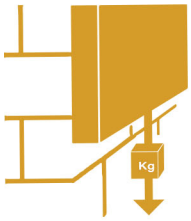
Vitreous tiles

Mosaic tiles

Ceramic

ADVANTAGES

- Easy to use and to apply
- Good mixing and workability
- High adhesion strength
- Long open time and pot life
- High-quality cement-based adhesive for interior ceramic tile installation.



MIXING RATIO



Powder
20 kg

+



Water
3 : 3.5 Litres

≃

3:6 m²



Coverd Area
40X40

INSTALLATION



01
Clean the surface

Mix with water

02





03
Apply the mixture

NOTES:

- Can be used internally on walls and floors
- Use a notched trowel to spread a layer of 5 mm thick on the Tile and 5 mm on the surface to be applied, then pull with the trowel.
- Coverage rate may very depending on the surface condition and the applying method
- Do not apply chema adhesive 101 on metal surfaces

AFTER INSTALLATION

- **Time before grouting**
  - Walls 6-8 hours
  - Floors 24 hours
- **Time before fully used**
  - Days 7-21

FACTORY

10th of Ramadan
B4 industrial zone