CHEMA FOAM

BUILD YOUR DREAM

CHEMA 103 ADHESIVE

Cement-based strengthened adhesive mortar combining cement, sand and several admixtures. Single-component Ready to use only requires adding water.



Product Data

Color	Grey/white
Grade classification	**C2TES1** 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)	(C2 >= 1)	EN 12004-2017	1.25	N/mm²
Tensile adhesion Strength test after 20 days (water immersion)	(C2 >= 1)	EN 12004-2017	1.20	N/mm²
Tensile adhesion Strength test after 14 days (heat ageing) at 70°C	(C2 >= 1)	EN 12004-2017	1.15	N/mm²
Tensile adhesion strength after freeze thaw (25 cycles)	(C2 >= 1)	EN 12004-2017	1.05	N/mm²
Open time tensile adhesion strength test after 30 minuts	(E >= 0.50)	EN 12004-2017	0.65	N/mm²
Vertical Slip	(T <= 0.5)	EN 12004-2017	0.4	mm
Open Time	(E >= 30)	EN 12004-2017	45	Minutes
Transverse deformation	(S1-2.5 : 5)	EN 12004-2017	> 2.5	mm
Adjustability (depends on temp)			30	Minutes
Pot life (depends on temp)			60	Minutes

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AREAS TO USE

- Swimming pool tiles
- Rock or glass wool
- Internal External wall marble & facade marble
- Internal & External Concrete Or Ploystyrene Panels
- Internal & External Tiles & Ceramic (Extra large size)

ADVANTAGES

- Great adhesion to EPS/XPS boards
- Water and frost resistance
- High adhesion strength
- Easy to use
- Can be used on substrates including: Concrete and Brick.
- 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
Up To 60X120

INSTALLATION



01 Clean the surface

Mix with water

02





03 Apply the mixture

NOTES:

- Can be used internally on walls and floors and externally on 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.
- Suitable for insulating panels made of polystyrene, rock or glass wool.
- Coverage rate may very depending on the surface condition and the applying method

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