CHEMA FOAM

BUILD YOUR DREAM

CHEMA PROOF 109

Advanced Fiberglass Reinforced Waterproofing System

- **Chema Proof 109** is a high-performance, 2- component waterproofing system based on cementitious powder and acrylic resin.
- Engineered with advanced fiberglass reinforcement technology, the product delivers superior crack-bridging capability, enhanced tensile strength, and long-term durability under structural movement.



Product Data

Characteristics	Elastic
Packaging	20kg (5kg resin / 15kg powder) & 40 kg (10 kg resin / 30 kg powder)
Mixing Ratio	Resin : Powder 1 : 3
Density	Comp (A+B) 2 kg/l (mixed)
Shelf life	12 months when unopened
Toxicity	The Egyptian organization for water and sewage chema proof 109 has been tested as per EN ISO 11348-3. Result non toxic.
Reinforcement	Advanced Fiberglass Reinforced Cementitious Waterproofing System engineered to provide superior protection and long-term durability in critical waterproofing applications.
Storage	- Store material in a clean dry area protected from high humidity, moisture, direct sunlight and extreme heat and cold.

Technical Data @ 25 °C

Description		Values	Unit
Compressive strength after 28 days	ASTM C109	40	N/mm^2
Adhesion strength	ASTM C321	1.2	N/mm^2
Water Permeability +ve	EN 12390	impermeable up to (5+)	bars
Crack bridging	ASTM C1305	1	mm
Elongation at break	ASTM D412	60	%
Tensile strength	ASTM D412	4	N/mm^2
Theoretical Consumption Rate	-	2.5	kg/m^2/2 layers thickness of 2mm (depends on surface)

CHEMA PROOF 109

CHEMA GROUP

• Engineered for maximum protection in critical waterproofing applications.

PROPERTIES



PROPERTIES

- Advanced fiberglass reinforced system
- Excellent crack-bridging capability
- High flexibility and elongation

* Long-term durability under movement

- Permanent waterproofing.
- Abrasion and Weather resistant.
- Vapour permeable.
- Excellent adhesion properties.
- High resistant to chloride ion diffusion.
- Non-toxic, ideal for potable water reservoirs.
- Economical
- Can be easily repaired.

AREA OF USE



AREA OF USE

- Roofs
- Facades
- Fountains and weirs
- Water tanks
- Swimming pools and patios
- Landscape
- service pits.
- Walls
- Wet floors.
- Planters.

Mixing Ratio



POWDER 15 kg + **RESIN** 5 Litres ≃ 8 m²



POWDER 30 kg + **RESIN** 10 Litres ≃ 16 m²

INSTALLATION



- 1st layer 1 mm dry time after 8-6 hours
- 2nd layer 1 mm perpinduclar on it
- must be protected from direct sunlight & strong wind for 48 hours
- we recommend applying a layer of protection after full curing
- do not use the product on expantion joints and dynamic cracks

FACTORY

10th of Ramadan
B4 industrial zone