Version MARCH 2026

CHEMA FOAM

BUILD YOUR DREAM

CHEMA PROOF 111

SUPER ELASTIC

CHEMA PROOF 111 is supplied 2 components, cementiouis waterproofing enhanced with nano-ceramic and fiberglass with super elastacity



Product Data

Colour	Grey
Characteristics	Super Elastic
Packaging	30kg (10kg resin / 20kg powder)
Mixing Ratio	Resin : Powder 1 : 2
Density	Comp (A+B) 2 kg/l (mixed)
Shelf life	12 months when unopened
Storage	- Store material in a clean dry area protected from high humidity, moisture, direct sunlight and extreme heat and cold. - Unopened packs can be stored for 12 months. - Use oldest material first.
Toxicity	The Egyptian organization for water and sewage chema proof 111 has been tested as per EN ISO 11348-3. Result non toxic.

Technical Data @ 25 °C

Description	Specifications	Values	Unit
Compressive strength after 28 days	ASTM C109	44	N/mm^2
Adhesion strength	ASTM C321	1.4	N/mm^2
Water Permeability (+ve)	EN12390-8	impermeable up to (+7)	bars
Crack Bridging	ASTM C1305	1.7	mm
Elongation at break	ASTM D412	100	%
Theoretical Consumption Rate		2	kg/m^2/2 layers thickness of 2mm (depends on surface)
Tensile Strength	ASTM D412	7	N/mm^2

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PROPERTIES



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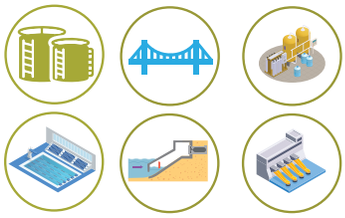
- Non-toxic and Super Elastic
- No added water required
- High weather resistance
- Excellent adhesion
- Easy to mix and apply

AREA OF USE



AREA OF USE

- Waterproofing and protection of structures under hydraulic pressure, like water storage tanks, olymipic swimming pools , large concrete pipes , bridge para- pets.

on concrete and old tiles substrates.

- Elastic coating of concrete surfaces.

Mixing Ratio



POWDER
20 kg

RESIN
10 Litres

INSTALLATION



- 1st layer 1 mm dry time after 6 - 8 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