



CHEMA FOAM

BUILD YOUR DREAM

CHEMA PROOF 109 ELASTIC

Chema proof 109 is supplied as a 2-component, powder (cement based) and resin (acrylic based) system, to be mixed on site. Different mixing ratios will produce compounds of different degrees of flexibility, suitable for different purposes.



Product Data

Colour	Grey
Characteristics	High Flexible
Packaging	20kg (5kg resin / 15kg powder)
Mixing Ratio	Resin : Powder 3 : 1
Density	Comp (A+B) 2 kg/l (mixed)
Shelf life	12 months when unopened
Storage	<ul style="list-style-type: none"> - 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.

Technical Data

Description	Specifications	Unit	Values
Compressive strength	ASTM C109	N/mm ²	40.57
Adhesion strength	ASTM C321	N/mm ²	1.22
Water Permeability(+,-)	CRD C48	EN 123908	impermeable up to (+5)
Flexural Strength	ASTM C580	n/mm ²	13
Crack Bridging	ASTM C1305	Maximum 1.5 mm movment (No failure)	1
Elongation at break	ASTM D412	%	59.13
Theoretical Consumption Rate		kg/m ² /2 layers thickness of 2mm (depends on surface)	2.5
Tensile Strength	ASTM D412	N/mm ²	3.85

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PROPERTIES



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

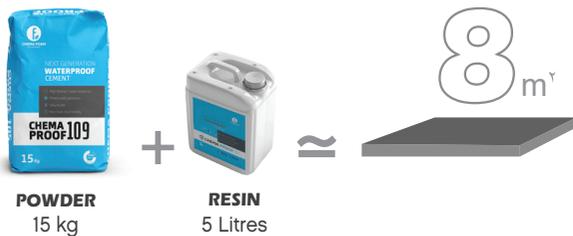
AREA OF USE



AREA OF USE

- Roofs
- Facades
- Fountains and weirs
- Water tanks
- Swimming pools and patios
- Sewage and seawater channels
- Landscap
- Service pits.
- Walls
- Wet floors.
- Planters.

Mixing Ratio



POWDER
15 kg

RESIN
5 Litres

8 m²

INSTALLATION



01

Clean the surface

02

Mix with Resin

03

Apply the mixture

- The first coat should be full dry before applying the second layer
- Apply second coat at 1mm thickness in perpendicular direction to the first coat.

OFFICE

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