



### PRODUCT DESCRIPTION

DuraProof 807 is a two-part and polymer modified cementitious waterproofing slurry to waterproof concrete and masonry. It comprises of a liquid polymer and a cement base mix incorporating with special additives.

DuraProof 807 meets the requirements below:

- Approved by SPAN for use in contact with drinking water (SPAN/BPAI/300-10/1725/B/W-3)
- Green label certified

### USAGE/PURPOSE

- Rigid waterproofing suitable for internal wet areas, toilets, and kitchens
- Also suitable for water retaining structures such as water tanks, swimming pools, ponds, and water features
- Interior waterproofing coating for concrete
- Patching blowholes and honey-combed areas
- DuraProof 807 is suitable for contact with potable water

### FEATURES & BENEFITS

- Easy to mix and apply / slurry and trowel consistency
- Protects against concrete carbonation and water penetration
- Good adhesion to sound substrates
- Increased salt and frost resistance
- Non-toxic; suitable for contact with drinking water
- Non-corrosive to steel and iron
- Can be applied to damp surfaces
- Can be topped, tiled, or coated
- Compatible with most tile adhesives
- Can be rendered with a polymer render or standard render with bonding additive

### PACKAGING

25 kg sets  
(Part A: 5 kg and Part B: 20 kg)

### COLOUR

Part A: White liquid  
Part B: Grey powder

### SHELF LIFE

12 months

### STORAGE

Product should be stored in cool and dry areas. Do not use if bag is damaged.

### LIMITATIONS

Cracks and gaps must be independently treated and sealed prior to application.

If the water is to be treated with chlorine, ensure chlorine levels are maintained between recommended range 60 – 160 PPM. High doses of chlorine may “burn” and degrade the membrane.

### COVERAGE

- Waterproofing bathroom, balconies, terraces 1.0 kg/m<sup>2</sup> per coat.
- Waterproofing coating up to 1m water head is 1.5 kg/m<sup>2</sup> per coat.
- Waterproofing coating more than 1m water head is 2.0 kg/m<sup>2</sup> per coat.
- As per protective coating is 2 kg/m<sup>2</sup> per coat

Note: DuraProof 807 must be applied in minimum 2 coats. 3 coats may be required in area of extremely high infiltration.

### TYPICAL PHYSICAL PROPERTIES

PROPERTY/ PERFORMANCE TEST	TYPICAL VALUES
Density	1.80 – 1.90 kg/ltr freshly mixed mortar
Compressive Strength (EN 12190)	> 20 N/mm <sup>2</sup> at 28 days
Flexural Strength (EN 196-1)	> 7 N/mm <sup>2</sup> at 28 days
Water Absorption (kg/m <sup>2</sup> .h <sup>0.5</sup> ) (EN 1062-3)	< 0.1 kg/m <sup>2</sup> .h <sup>0.5</sup>
Adhesive Strength (ASTM D4541)	> 0.60 N/mm <sup>2</sup>

### SURFACE PREPARATION

Surface must be structurally sound and free of all traces of contaminants, loose or friable particles, cement laitance, sharp edges, oil and grease etc:



- The substrate must be prepared by suitable mechanical preparation techniques such as high pressure water jetting, needle gun, blast cleaning, scrabbles, etc and properly pre-wetted to a saturated surface dry condition.
- For pore/blowhole filing, blast clean to remove all contaminants
- As a levelling mortar, prepare and clean all surfaces by suitable mechanical means such as abrasive blast cleaning or equivalent to ensure cement laitance, surface contamination and all existing coatings are removed; the surfaces must be profiled to achieve maximum bond strength
- Absorbent surfaces have to be thoroughly saturated with water prior to application of first coat of TREMproof M; However, no standing water should be on the surface prior application.
- All intersections of horizontal and vertical surfaces should be profiled with a mortar fillet of 25mm x 25mm.

Note: DuraProof 807 will not bond to surfaces that have been treated previously with a water repellent. an additional priming coat.

## APPLICATION

### Mixing:

- Mix in a clean container, the powder (Part B) should be slowly added to the liquid (Part A) whilst stirring. Stir until the mix is smooth, lump free and homogenous.
- Mixing should be done with a mechanical stirrer mixed at slow speed for 3 minutes; hand mixing may not be sufficient.
- Under normal circumstances, when the full sets of both components are mixed, a slurry consistency will be achieved. The consistency of the mix can be altered by reducing the amount of Part A (liquid) to be used.
- For trowel applications, use only 90% of Part A (approximately 4.5kg).
- Use the mixture within 30 minutes

### Application:

- Whilst the substrate is still damp from saturation, apply the first coat. Leave to harden for approximately 4 to 8 hours at temperature above 20°C before applying the second coat.
- Apply the mixed DuraProof 807 by hand using a hard plastic bristled brush or broom; apply in the same direction.
- Apply the second coat of DuraProof 807 in crossing direction to the first application as soon as first coat has dried.
- As a mortar, when DuraProof 807 is applied by trowel (e.g. for a smooth surface finish), product must be mixed with a 10%

reduction of Part A. Apply the second coat of DuraProof 807 as soon as the first coat has hardened.

- For bore/ blowhole filling, tightly trowel into the pores/ blowholes of the surface.
- For floor application, to avoid risk of damaging to the first coat, it is recommended that the second coat is applied 12 hours or later; the first coat shall be slightly pre-wetted, preferably by using a fine spray.
- After the second coat has been applied, a better finish can be achieved by rubbing down with a soft, dry sponge.

## CURING

Generally not required but precautions should be taken for applications done directly under the Sunlight and windy conditions.

## POT LIFE

30 minutes at 30°C; pot life will be shortened at high temperatures.

## CLEAN UP

Clean all the tools and application equipment with water immediately after use. Hardened and/or cured material can only be mechanically removed.

## HEALTH & SAFETY PRECAUTIONS

The Technical and Safety Data Sheets must be read and understood before use.

The use of suitable face mask is recommended along with, cement resistant gloves and goggles is advised.

## CONDITIONS OF USE AND DISCLAIMER

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