



DuraProof 809

Flexible Cementitious Waterproofing Membrane

PRODUCT DESCRIPTION

DuraProof 809 is a 2 component and flexible cementitious waterproofing coating. It consists of special polymer pre-blended resin and fillers powder with graded fine quartz. DuraProof 809 is water based, non-toxic and non-hazardous.

Mixing of the two component results in a plastic, thixotropic and easily applicable compound, even to vertical surfaces.

USAGE/PURPOSE

- Waterproof coatings of tanks, containers and water reservoirs, bathrooms, planter boxes, kitchens, ponds and swimming pools etc.
- Floors in garages, on parking areas, environmental decks and on specific roofs (protected) etc.

FEATURES & BENEFITS

DuraProof 809 replaces ordinary cementitious waterproofing screed and rendering in a very effective way:

- Fast setting time.
- Non-toxic.
- Breathable / can be applied on damp surface.
- Excellent adhesion to most common substrates.
- Waterproof.
- Flexible, good elongation properties.

PACKAGING

35 kg sets

COLOUR

Grey

SHELF LIFE

12 months from the date of production

LIMITATIONS

- Not to be used as a trafficable or UV stable waterproof membrane.
- Not to be used below grade.
- Do not apply to contaminated surfaces.
- The surface temperature for product application should be between 10°C and 30°C. The curing process will slow down substantially when substrate or ambient temperatures are below 10°C or where relative humidity is >85%.

COVERAGE

Minimum 2 coats at approximately 1.0 kg/m² per coat

INSTALLATION

- Apply the well-mixed DuraProof 809 slurry with a brush, roller, or rubber squeegee onto the substrate.
- The recommended thickness of the coat to be applied is 1 to 2mm for walls and 1.8mm to 2mm for floors, depending on the expected water pressure.
- The required thickness is achieved by applying 2 layers, taking care that each layer is approximately 1.0 mm.
- Leave the first coating to dry for 2-3 hours before applying the second coat.

Leave the second coat of DuraProof 809 to cure overnight before proceeding to conduct water ponding test. Exposed surfaces must be protected against direct UV-radiation. This can be done with a layer of screed, an Aluminum paint sprinkling of sand or laying of thermal insulation sheets.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	DESCRIPTION
Polymer Characterisation	Polyacrylate styrene
Appearance	Part A: White liquid Part B: Grey powder Part A + B (mixed): Grey slurry 1.80 – 1.90 kg/ltr freshly mixed mortar
Tensile Strength (ASTM D412-16)	> 1.0 MPa
Elongation (ASTM D412-16)	> 100%
Adhesive Strength (ASTM D4541)	> 0.60 N/mm ²
Water Penetration (DIN 1048-5:1991)	No water penetration at 0.2 kgf/cm ² for 12 hours
Pot Life	~30 minutes (at 30 °C), the pot life will be shorter at higher temperature.



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