

# MC-Proof WS (Formerly known as MoyaProof WS2)

## Polymer Modified Semi Flexible Cementitious Waterproofing Membrane

### Description

MC-Proof WS is a two component, acrylic co-polymer based flexible cementitious waterproofing system.

### Advantages

- Can be applied to freshly hardened concrete
- Excellent elongation and flexibility
- Non-toxic, suitable for use in potable water tanks
- Protection against carbonation and chlorides
- Breathable coating
- Excellent adhesion
- Easy to apply
- Increased frost and salt resistance
- Excellent for damp proofing basements
- Exhibits crack bridging and sealing property

### Application

#### Areas of application

MC-Proof WS is suitable for many waterproofing applications, such as swimming pools, balconies, bathrooms, wet areas, basements, roof waterproofing system in damp conditions where other systems cannot be used, lift pits, etc. It can also be used as a backing coat for marble, stone & other mineral based cladding to protect against rising moisture.

#### Surface Preparation

Surface should be clean and sound, free from dust, loose particles, grease, oil primers from previous membrane systems or bitumen. Bitumen or primers should be removed by shotblasting or mechanical means. Spalled concrete should be repaired by cutting to sound concrete and patching with Nafufill GP 50.

**Special recommendations for critical areas of application:** It is recommended to use MC ConTape at all critical areas such as intersections, corner joints, floor/wall junctions, gaps, peripheral areas of pipelines before the application of MC-Proof WS. Before fixing MC ConTape, the gaps and corners should be filled & levelled with polymer modified mortar Nafufill GP 50.

#### Mixing

MC-Proof WS is supplied in pre-measured units. Slowly add powder to the liquid and using a slow speed drill machine fitted with a paddle, mix to a lump free smooth consistency. Do not rework a stiffened mix by adding more water. Only mix sufficient quantity of material that can be used within 30-40 minutes.

#### Application

Saturate the concrete surface with clean water. Apply the first coat while the surface is still damp with no free standing water. Apply using a short stiff bristle brush or roller at a minimum thickness of 1 mm per coat. After 2-6 hours, apply the second coat in perpendicular direction to the first coat. The second coat can be finished by rubbing down with a soft sponge. Spray or trowel application is acceptable provided the mixing ratio is adjusted to achieve the right consistency. It is recommended that for application over hollow blocks or highly porous areas, a minimum of 3 coats to total thickness of 3 mm be applied.

#### Curing

MC-Proof WS should be protected from high wind, direct sunshine and rain until fully cured. Keep the treated area moist for 3-4 days after application.

<b>Yield</b>	14 ltr/25 kg bag
	6 m <sup>2</sup> /set at 2mm thickness in two coats.
<b>Coverage</b>	Actual coverage depends on porosity and texture of the substrate

Typical Properties at 25°C

Property	Test Method	Value
Component	-	Two: Part A - Liquid Part B - Powder
Mixed Form	-	Slurry
Colour	-	Grey-Off white available on request
Mixed Density	BSEN 12350-62	00 kg/ltr +/- 0.05
Toxicity	BS 6920-1	Non-Toxic
Working Time	-	25-40 mins
Setting Time	-	3-4 hrs
Water Absorption	BS 1881-208	> 95% reduction over control
Bond Strength	ASTM D4541	1 N/mm <sup>2</sup>
Water Permeability (at 5 bar pressure)	BS 12390-8	Nil
Crack bridge ability	ASTM C836	No Crack at 1.40mm width
Tensile Strength	ASTM D412	1.5 N/mm <sup>2</sup>
Elongation	ASTM D412	> 40% (un-bonded)

General Information

Package Size	A : 5 Kg, B:20 Kg
Shelf Life	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.
Cleaning	Clean all equipments and tools with water immediately after use. Hardened material can be removed mechanically.

>> Water Proofing

---

**Health and Safety**

---

PPE's	Gloves, goggles and suitable mask must be worn.
Precaution	Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately.
Hazard	Regarded as non-hazardous for transportation.
Disposal	Do not reuse containers. To be disposed off as per local rules and regulations.
Additional Information	Refer MSDS. (Available on request.)

---

**Technical Support**

MC Technical Services are available on request for on site support to assist in the correct use of its products.

---

**NOTE:**

*It is the customer's responsibility to satisfy themselves by checking with the company whether information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current data sheets. However, MC-Bauchemie does not warrant or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendations relating to application and end use are given in good faith. The products are guaranteed against any manufacturing defects and are sold subject to MC- Bauchemie's standard terms and conditions of sale.*