

BP-MoyaProof WS2

Acrylic Co-polymer Modified Flexible Waterproofing Membrane

Description

BP-MoyaProof WS2 is a two component, acrylic co-polymer based flexible cementitious waterproofing system. It is pre-packed system, consisting of a liquid polymer as Part A and a premixed powder as Part B. The two parts on mixing yield a brushable, smooth slurry with excellent bond to most substrates. The product is based on selected synthetic resins and cements.

Standards

BS 1881-208, BSEN 12350-6, BS 6920-1

Application Area

BP-MoyaProof WS2 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 and other mineral based cladding to protect against rising moisture.

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.

Typical Properties

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 12350-6	2.00 kg/ltr +/- 0.05
Toxicity	BS 6920-1	Non-Toxic
Working Time		25-40 mins
Setting Time		3-4 hrs
Bond strength	ASTM D4541	1 N/mm ²
Tensile Strength	ASTM D412	1.5 N/mm ²
Water Absorption	BS 1881-208	> 95% reduction over control
Water Permeability	BS 12390-8	Nil
Crack bridge ability (at 5 bar pressure)	ASTM C836	No Crack at 1.40mm width
Elongation	ASTM D412	> 40% (un-bonded)

Design Criteria

The coating should be applied in two coats to achieve a total dry film thickness of not less than 2mm. Areas subjected to light foot traffic should receive minimum 2mm thickness and an additional 2mm coating should be applied to areas of moderate to heavy pedestrian conditions. To achieve the correct protective properties, **BP-MoyaProof WS2** must be applied on to the substrate at the coverage rates recommended.

Surface Preparation

Surface should be clean and sound, free of 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 **BP-ReCon GP**.

Special recommendations for critical areas of application: It is recommended to use **BP-Conmix ConTape** at all critical areas such as intersections, corner joints, floor/wall junctions, gaps, peripheral areas of pipelines before the application of **BP-MoyaProof WS2**. Before fixing **BP-Conmix ConTape**, the gaps and corners should be filled and levelled with polymer modified mortar **BP-ReCon GP**.

Mixing

BP-MoyaProof WS2 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 Guidelines

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

BP-MoyaProof WS2 should be protected from high wind, direct sunshine and rain until fully cured. Keep the treated area moist for 3-4 days after application.

Packaging

16 Kg set (Powder 12 Kg Bag & Liquid 4 Kg Pail).

Yield

12 ltr/16 kg set.

BP-MoyaProof WS2

Coverage

8 m²/set at 1.5 mm thickness in two coats. Actual coverage depends on porosity and texture of the substrate.

Storage & Shelf-life

12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.

Limitations

At temperatures above 35°C, it is recommended that measures are taken to reduce material placing temperatures. These include, storing materials and equipments under cool shade and away from direct sunlight. Avoid installation during the hottest part of the day. Ensure that water temperature is kept below 20°C. Should not be used in unrestrained area.

Cleaning

Clean all equipments and tools with water immediately after use. Hardened material can be

removed mechanically.

Health and Safety

This product contains cement powders which, when mixed with water or upon becoming damp, release alkalis that can be harmful to skin. During use, avoid inhalation of the dust and contact with the skin or eyes. Gloves, goggles and suitable mask must be worn. Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately. Regarded as non-hazardous for transportation. Do not reuse containers. To be disposed off as per local rules and regulations.

Quality & Care

Conpacmix (BD) Ltd acquired German technology for an updated production facility and set up a state of the art laboratory facility for conducting regular quality assessments on raw materials procured and finished products. Process from procurement of raw materials to finished products, are managed by qualified and experienced engineers, chemists and technicians.

Note: Field service where provided does not constitute supervisory responsibility. Suggestions made by **Conpacmix (BD) Ltd.** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **Conpacmix (BD) Ltd.**, are responsible for carrying out procedures appropriate to a specific application.

Manufacture:

