



MoyaShield PU

Polyurethane Based Waterproofing Membrane

DESCRIPTION **MoyaShield PU** is a single component, flexible, cold applied liquid waterproofing membrane. It is based on polyurethane modified bitumen reinforced with special water repelling agents.

USES **MoyaShield PU** is used as a protective and waterproofing coating for bathrooms, wet areas, planters, car park decks, foundation walls, metal, wood or concrete roofs and surfaces subjected to thermal movements. It is suitable for maintenance and repair of existing waterproofing membranes.

- ADVANTAGES**
- Excellent flexibility
 - Cold applied, single component
 - Highly resistant to oxidation, UV rays and ozone
 - Unique property of adapting over irregular contours of substrate
 - Superior bond to a variety of surfaces

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Single
Form	-	Liquid
Colour	-	Black
Elongation	ASTM D412	Minimum 500%
Tensile Strength	BS 6319-Part 7	> 1.0 N/mm ²
Drying Time (surface)	ASTM D2939	Minimum 15 hrs
Recoat time	-	Minimum 6 hrs
Hard Dry	-	Minimum 96 hrs
Bond Strength	ASTM D4541	> 1.0 N/mm ² at 28 days
Water Penetration	BSEN 12390-8	Nil
Shore A Hardness	ASTM C661	35 - 45

SURFACE PREPARATION Surfaces where **MoyaShield PU** has to be applied must be clean, sound and dry. Remove mechanically bond breaking coatings, curing compounds, mould release agents or any other form of contaminations that may affect the adhesion of the membrane. Spalled or damaged concrete, honeycombs, etc. should be repaired by cutting out to sound concrete and patching with polymer modified cementitious repair mortar **Recon GP**. Cracks, holes, etc. must be repaired with **Recon PH**. All sharp edges must be rounded off. Coving should be provided at all sharp corners with polymer modified cementitious repair mortar **Recon GP**. Metal, wooden surfaces to receive the waterproofing membrane should be clean and free of dirt, grease and



MoyaShield PU

other contaminants. Brick joints should be evenly finished with a skim coat plaster. It is recommended to use **Conmix ConTape** at all critical intersections such as peripheral areas of pipelines, overlaps in metal roofs, J hooks, etc.

Crack repair with **MoyaShield PU** : All shrinkage cracks, cold joints and non-moving structural cracks under 1.6 mm should be pre-treated with a coating of **MoyaShield PU** extending 75 mm to either side of crack. All preparatory work must be cured 12 hours minimum prior to installation of the membrane.

PRIMING Priming is not required for sound substrates. For porous substrates, use **MoyaShield SBB** or **MoyaShield PU** thinned with 5% **Conmix Thinner**, as a primer.

APPLICATION Stir the contents thoroughly. **MoyaShield PU** should be applied by trowel or squeege, directly over prepared surfaces. Apply the first coat at a thickness of 500 microns. Apply the second coat (500 microns thickness) after 4 to 6 hours. Polyester spun scrim sheet may be used between two coats to make waterproofing membrane stronger against rising dampness, air bubbles, etc. Applied membrane should be protected by covering with polyethylene sheet. Membrane should be cured for minimum 36 hours before water ponding test. Repairs: If punctured, **MoyaShield PU** can be repaired with another application of the same product. Clean the area with solvent immediately prior to recoating.

CURING Applied **MoyaShield PU** must be allowed to cure for 7 days before subjecting to traffic.

PACK SIZE 20 ltr pail

COVERAGE 1m²/ltr at 1000 microns wft
Actual coverage will depend upon the texture and porosity of the surface.

LIMITATIONS Not designed for use as a finished traffic surface. **MoyaShield PU** should not be applied during rain. If rain is anticipated, application should be stopped and applied membrane should be protected.

GENERAL INFORMATION

Shelf Life	9 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.
Cleaning	Clean all equipment and tools with Conmix Cleaner immediately after use.



MoyaShield PU

HEALTH and SAFETY

PPE's

Gloves, goggles and suitable mask must be worn.

Precautions

Contact with skin, eyes etc. must be avoided. If swallowed seek medical attention immediately.

Hazard

Regarded as 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 SERVICE

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

Manufacturer:

CONMIX LTD.

P.O. Box 5936, Sharjah

United Arab Emirates

Tel: +971 6 5314155

Fax: +971 6 5314332

Email: conmix@conmix.com

Sales Office:

Tel: +971 6 5682422

Fax: +971 6 5681442

www.conmix.com



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, Conmix 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 Conmix standard terms and conditions of sale.