



# MoyaShield PU

## Polyurethane Based Waterproofing Membrane

### DESCRIPTION

**MoyaShield PU** is a single component, flexible, cold applied liquid water proofing 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	> 2.0 N/mm <sup>2</sup>
Drying Time (surface)	ASTM D 2939	Minimum 15 hrs
Recoat time	-	Minimum 6 hrs
Hard Dry	-	Minimum 96 hrs
Bond Strength	ASTM D 4541	> 1.0 N/mm <sup>2</sup> at 28 days
Water Penetration	BSEN 12390-8	Nil

### SURFACE PREPARATION

Surfaces where **MoyaShield PU** is to be applied must be clean, sound and dry. Remove mechanically bond breaking coatings, curing compounds, mould release agents or any other form of contamination 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 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.



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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 squeegee, 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

1m<sup>2</sup>/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

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 **Conmix Cleaner** immediately after use.

### 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.



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<b>Disposal</b>	Do not reuse containers. To be disposed off as per local rules and regulations.
<b>Additional Information</b>	Refer MSDS. (Available on request.)

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<b>TECHNICAL SERVICE</b>	<b>CONMIX Technical Services</b> are available on request for onsite support to assist in the correct use of its products.
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