

# Technical Data Sheet



Product Name: **Waterproof The Best & Strong PU**

## Description:

The Best & Strong PU is a mono-component, ready to use, polyurethane based liquid membrane coating designed to be used internally and externally on a wide variety of surfaces, which forms a strong and elastic waterproofing layer with very high percentage elongation and excellent recovery. The standard colour is grey, black, white.

## Use:

The Best & Strong PU can be used as a complete waterproof covering membrane for foundations protection and to most building applications including roofs, decks, podiums, walls, bay windows, vertical walls, external floors, building facades. Suitable for renovating, protecting, and repairing of roofs and roof guttering. Waterproof undercoat for terraces, wet rooms, bathrooms, kitchens and basements... The Best & Strong PU can be applied practically on any base, including asphalt, roof tiles, concrete, marble, fibre cement, plaster board, timber, bituminous membranes and treated metals zinc, aluminium, lead, brick work, wood... Priming may be required for swimming pools, or reservoirs.

The Best & Strong PU is a rubbery, very elastic film that covers cracks and wall junctions.

Advantages: Excellent adhesion (on concrete, asphalt, roofing felts, asbestos, tiles,...)

## Easy & Ready to use

Easy to repair, by applying a second coat of The Best & Strong PU

## Technical properties:

Form	Liquid
Colour	Black
Appearance	Viscous
Specific Gravity	1.13
Application Temperature	+ 5°C - +50°C
Curing Time Spread	1 Kg / Sqm
Tack free time	24 Hrs
Initial set	48 Hrs
Final set	7 Days
Recoating Time	48 Hrs
Shore A Hardness	ASTM D2240 ± 40
Tensile strength	ASTM D412 1.5 N / mm <sup>2</sup>
Elongation at break	ASTM D412 550 %
Recovery	@ 100% Elongation 100 % @ 250% Elongation 98 %
Water penetration	DIN 1048 None
Moisture vapour transmission	ASTM E96 4,80gr / SQM / 24hrs
Accelerated weathering	No changes to physical appearance or properties after 600 hours
Chemical resistance	Resistant to a wide range of chemicals and solvents

## Important Remarks:

The Best & Strong PU should not be applied on wet surfaces,  
The Best & Strong PU should not be applied on special protective coatings,  
The Best & Strong PU can not be used for drinking water retention purposes,  
The Best & Strong PU can not be used for exposed roof waterproofing.  
Do not apply The Best & Strong PU to areas subject to heavy foot traffic or vehicular traffic.  
The Best & Strong PU can be covered by acrylic paints, textured coatings and ceramic tile adhesives. Compatibility trials are recommended before application.

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## **Method Statements:**

### **1. Surface preparation**

Remove dirt, dust, oil, grease and all other contaminants from the surface. Any surface irregularities should be filled or repaired. New concrete must be cured sufficiently before the application of the coating. The moisture excess on the concrete is to be removed and cleaned properly.

Application is to be carried out on a non-frozen, thoroughly washed with clear water to obtain a healthy surface @a min. temp. + 5° C.

### **2. Priming**

On highly porous or absorbent substrate Mix The Best & Strong PU and water with a 1:1mix ratio should be applied.

Cracks Above 1mm width should be repaired with Compact-All repairing mortar.

Small cracks has to be treated with The Best & StrongPU before starting the application.

Expansion Joints should be treated with Seal-All® Joint Filler. All corners and edges should have a corner fillet with at least 30 mm face.

### **3. Coating**

After opening the original pail, mix thoroughly for 3-4 minutes. The Best & Strong PU is applied by brush, roller, trowel or squeegee. The Best & StrongPU can also be applied by spraying, only with airless spraying equipment (ask our technical support).

The coated substrate should not be exposed to mechanical abrasion of any form before the initial set is achieved.

If required some Bituminous Board of min. 2 mm can be used as protection course to avoid any damage to the coating. If the application involves multiple coats, be sure that following coats are applied in vertical directions.

**Applications involving The Best & Strong PU being exposed to sunlight and UV rays should be done under consultation with our technical team!!!**

### **4. Application Method**

The Best & StrongPU can be applied by brush, roller or airless spray. When brushing or rolling,

lay the material out onto the surface and, avoid brushing it out to achieve the required film thickness.

## **Packing**

1 can 5 liters

1 pail 20 liter

1 drum 200 liter

## **Storage:**

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air conditioned environment.

## **Shelf Life:**

Up to 6 months when stored as per recommendations.

## **Health & Safety**

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.