

PU WATERPROOFING

PRODUCT DESCRIPTION

This 1K polyurethane waterproofing system forms a cold-applied, elastomeric polyurethane membrane with the air humidity. The resulting membrane cures into a highly elastic, fully adhered layer providing full waterproofing properties.

PRODUCT BENEFITS

- 1- Excellent water and UV resistance
- 2- Excellent mechanical resistance
- 3- Excellent thermal resistance
- 4- High elasticity
- 5- Excellent flexibility and crack resistance
- 6- Excellent durability
- 7- Strong adhesion

RECOMMENDED USES

This versatile waterproofing system is suitable for a wide range of surfaces, including concrete, brick, fiber cement, ceramic tiles, bituminous materials, steel, zinc, and aluminum. Applications include balconies, terraces, bathrooms (including showers), kitchens, hard-to-reach areas, lightly trafficked floors, and even stairs and stadium seating.

SURFACE PREPARATION

Proper substrate preparation is crucial for successful waterproofing. Apply Happy Wall PU primer to a clean, dry, flat surface, free of cracks and debris. Allow 24 hours drying time before applying the PU waterproofing paint. Moreover, the application temperature should be between 0°C and 30°C. High humidity can cause bubbles to form beneath the membrane.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Chemical Description	One –component polyurethane
Physical State	Liquid
Color	White

Specific Gravity, ISO 2811	1.32 g/cm ³
Viscosity, ISO 2884	10-15 poises
Pot Life	4-6 hours
Drying Time, ASTM D5894	4-8 hours per coat

Recoating Time	24 hours
Final Hardness	10 or 15 days
Coverage	20-25 m ² /pail

Chemical Properties

Solids by Weight	76 %
VOC (g/L)	314 g/L

THINNING & APPLYING

Before use, thoroughly mix the product to redistribute any settled components.

Let it stand briefly to allow air bubbles to escape.

Mix gently at low speed.

To adjust viscosity, add up to 10% of xylene solvent.

The product can be applied using a roller, brush, spreader, or airless sprayer directly on top of the primer.

A two-coat application is recommended at 1 kg/m² each, wait around 24 hours between coats.

Any remaining product should be tightly resealed.

Use a spiked roller immediately after application to minimize bubbling.

PACKING

In cylindrical tin containers of the following capacities:

- 1 Pail (5 U.S.G.) = 25 Kg

STORAGE

1 year under normal storage conditions (below 35°C) from the manufacturing date.

Avoid frost & excessive heat.

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.

All details about working with our products should be adapted to prevailing local conditions and materials used.