



VYCOAT-PUB

Polyurethane–Bitumen Hybrid Exposed Waterproofing Coating

DESCRIPTION

VYCOAT-PUB is a high-performance, single-component polyurethane–bitumen hybrid waterproofing coating designed for exposed applications.

It combines the elasticity and durability of polyurethane with the water resistance and adhesion properties of modified bitumen, forming a seamless, UV-resistant, and weather-stable waterproof membrane after curing.

BENEFITS

- Excellent UV and weather resistance for exposed use
- High elasticity and crack-bridging capability
- Strong adhesion to various substrates (concrete, metal, bitumen membranes)
- Seamless liquid-applied membrane
- Good resistance to standing water
- Easy application (roller or brush)
- Low temperature flexibility
- Compatible with most roofing and waterproofing systems

APPLICATIONS

- Exposed roof waterproofing systems
- Repair and refurbishment of existing bitumen or PU membranes
- Metal roof waterproofing and protection
- Balcony, terrace, and podium decks
- Detail areas (flashings, penetrations, edges)
- Secondary waterproof layer over existing membranes

INSTALLATION

Substrate Preparation

- Substrate must be clean, dry, and free of dust, oil, and loose particles
- Repair cracks and defects before application
- For porous substrates, apply suitable primer if required

Application Method

- Apply by roller or brush
- Apply in 2–3 coats to achieve required thickness
- Typical consumption: thickness of 1mm coating is approximately 1.1kg/m².

System Recommendation

- Reinforcement (polyester fabric) recommended for critical areas
- Ensure uniform thickness and full coverage

STORAGE & SHELF LIFE

- Shelf life: 12 months in unopened original packaging
- Store in dry, well-ventilated conditions
- Protect from direct sunlight and freezing
- Storage temperature: +5°C to +30°C

DIMENSIONS & PACKAGING

Parameter	Value
Component	Polyurethane bitumen mixture
Appearance	Liquid
Color	Brown
Weight	20 kg/pail

TECHNICAL DATA

Property	Value
Viscosity	3000 - 10000 cp
Solid content	75 ~ 85%
Surface dry time	6 ~ 12 h
Tensile strength	≥ 3MPa
Elongation at break	≥ 400%
Tear strength	≥ 15N/mm
Cold bending	-30°C, no crack
Watertightness	0.3Mpa, 120min, no leakage