



VYCOAT-BITNC

Non-Curing Bitumen Waterproofing Coating

DESCRIPTION

VYCOAT-BITNC is a non-curing, solvent-free bitumen-based waterproofing coating modified with rubber and functional additives. It remains permanently tacky and elastic, forming a continuous and fully bonded waterproof layer.

The material exhibits excellent self-healing properties, allowing it to recover from minor damage and maintain long-term waterproofing performance.

BENEFITS

- Non-curing, permanently elastic material
- Self-healing capability for enhanced durability
- Full adhesion to concrete and substrates
- Excellent crack-bridging performance
- No solvent, environmentally friendly
- Strong resistance to water penetration
- Compatible with composite waterproofing systems

APPLICATIONS

- Basement and foundation waterproofing
- Underground structures and tunnels
- Raft foundations and pile caps
- Blind-side waterproofing systems
- Composite systems with membranes (SBS / APP modified bitumen membrane)

INSTALLATION

Surface Preparation

- Substrate must be clean and structurally sound
- Slightly damp surfaces are acceptable
- Remove dust, oil, and loose particles

Application

- Apply by trowel, squeegee, or spray equipment
- Apply evenly to required thickness
- Ensure full coverage without voids

Composite System (recommended)

- Apply coating
- Install membrane (SBS / APP modified bitumen membrane / etc.) onto fresh coating
- Form fully bonded waterproofing system

Recommended Thickness

- Typical: 1.5 – 2.5 mm
- Reference consumption: 1.5kg/m² for film thickness of 1mm

STORAGE & SHELF LIFE

- Store in sealed containers
- Avoid high temperature exposure
- Shelf life: 12 months

DIMENSIONS & PACKAGING

Parameter	Value
Component	Bitumen-rubber compound
Appearance	Paste like at room temperature, liquid after heating
Color	Black
Weight	20 kg/pail

TECHNICAL DATA

Property	Value
Flash point	$\geq 180^{\circ}\text{C}$
Solid content	$\geq 98\%$
Bonding performance	Cohesive failure
Cold bending	-20°C , no break
Heat resistance	65°C , 2h, no flow
Anti water channeling property, 0.6MPa	Pass

