



VYCOAT-SMP-NS

Non-Sag Silane-Modified Polyether Waterproof Coating

DESCRIPTION

VYCOAT-SMP-NS is a one-component, non-sag silane-modified polyether (SMP) waterproof coating designed for vertical and detail waterproofing applications. It cures by reacting with atmospheric moisture to form a seamless, elastic, and durable waterproof layer.

With excellent adhesion to a wide range of substrates and outstanding non-sag performance, VYCOAT-SMP-NS is particularly suitable for basement side walls, vertical surfaces, and complex detailing areas. It is fully compatible with sheet membrane systems and is widely used for joint sealing, edge treatment, and reinforcement in combination with waterproofing membranes.

BENEFITS

- **Non-Sag Formulation**

Excellent anti-sag performance for vertical and overhead applications.

- **One-Component, Moisture Curing**

Ready to use, no mixing required, easy and efficient application.

- **Excellent Adhesion**

Strong bonding to concrete, metal, masonry, and most construction substrates.

- **High Elasticity & Crack Bridging**

Accommodates substrate movement and prevents cracking.

- **Membrane Compatible**

Suitable for use with bitumen, TPO membranes.

- **Solvent-Free & Low VOC**

Environmentally friendly and safe for confined spaces.

- **Weather & Aging Resistance**

Good resistance to water, UV (short-term), and aging.

APPLICATIONS

- **Basement Side Walls**

Vertical waterproofing and detailing in underground structures.

- **Internal & External Corners**

Seamless reinforcement at critical junctions.

- **Pipe Penetrations**

Sealing and waterproofing around pipes and penetrations.

- **Membrane Terminations**

Edge sealing and termination detailing.

- **Joint & Lap Reinforcement**

Used in combination with sheet membranes for enhanced system integrity.

- **Complex Detailing Areas**

Irregular surfaces and difficult-to-treat zones.



INSTALLATION

Surface Preparation

- Substrate must be clean, dry, and free from dust, oil, grease, and loose particles.

Application

- Apply by trowel, spatula, or brush to the required thickness. Ensure full contact with the substrate.

Detail Reinforcement

- For corners, joints, and penetrations, apply an additional layer and embed reinforcement fabric if required.

Membrane Integration

- Apply in coordination with sheet membranes to ensure continuous waterproofing.

Curing

- Allow sufficient curing time before exposure to water or further construction.

Recommended Thickness

- Total dry film thickness: 1.5 – 2.0 mm
- Reference consumption: 1.4-1.6kg/m² for film thickness of 1mm

STORAGE & SHELF LIFE

- Store in a cool, dry, and well-ventilated place, away from direct sunlight.
- Shelf life: 12 months in unopened original packaging.

DIMENSIONS & PACKAGING

Parameter	Value
Component	Silane-modified polyether
Appearance	Viscous body
Color	Black
Weight	20 kg/pail

TECHNICAL DATA

Property	Value
Solid content	≥ 98%
Surface dry time	≤ 4h
Tensile strength	≥ 1.0MPa
Elongation at break	≥ 400%
Cold bending	-40°C, no crack
Watertightness	0.3Mpa, 120min, no leakage