



VYLAY-BSA

Bitumen Self-Adhered Roofing Underlayment

DESCRIPTION

VYLAY-BSA is a high-performance self-adhered roofing underlayment designed to provide superior waterproofing and secondary weather protection beneath roofing systems.

It is manufactured with a modified bitumen adhesive layer laminated to a reinforced carrier, featuring a protective surface layer for durability. The self-adhesive backing ensures secure bonding to the substrate without the need for mechanical fastening in most applications.

BENEFITS

- Self-adhered application – no torching required
- Excellent waterproofing and sealing performance
- Strong adhesion to various substrates (wood, concrete, metal)
- Nail sealing capability
- High tensile strength and puncture resistance
- Cold-applied, fast and efficient installation
- Suitable for complex details and penetrations

APPLICATIONS

- Pitched roofing systems (asphalt shingles, tiles, metal roofs)
- Eaves, valleys, ridges, and critical waterproofing areas
- Full-roof secondary waterproof layer
- Low-slope roofing applications (auxiliary layer)
- Areas requiring enhanced watertightness and nail sealing

INSTALLATION

- Substrate must be clean, dry, and free of dust, oil, and debris
- Apply at temperatures typically above 5°C (or use low-temp grade if required)
- Remove release liner and apply membrane directly to substrate
- Press firmly to ensure full adhesion and eliminate air pockets
- Side laps: ≥ 75 mm; End laps: ≥ 100 mm
- Roll firmly with pressure roller for optimal bonding
- Install from low point upward (shingle fashion)
- Roofing system should be installed as soon as possible after application

STORAGE & SHELF LIFE

- Store in dry, well-ventilated area
- Keep away from direct sunlight and heat sources
- Store rolls upright
- Shelf life: 12 months in unopened packaging

DIMENSIONS & PACKAGING

Parameter	Value
Thickness	1.5 mm
Length	20 m
Width	1 m
Top surface	Cross-laminated HDPE film
Middle layer	SBS modified bitumen
Bottom surface	Removable silicon release film

TECHNICAL DATA

Property	Value	Test Method
Maximum tensile force, MD/CD (N/50mm)	$\geq 200/200$	EN 12311-2:2000
Elongation at break, MD/CD (%)	$\geq 250/250$	EN 12311-2:2000
Low temperature flexibility	-20°C, 2h, no crack	EN 1109:1999
Heat resistance	90°C, 2h, no flow	ASTM D5147
Adhesion to steel plates (N/mm)	≥ 1.5	EN 12316-1:1999
Adhesion to primed concrete (N/mm)	≥ 1.5	EN 12316-1:1999
Lap Adhesion (N/m)	≥ 1.0	EN 12316-1:1999