

TECHNICAL DATA SHEET

VYLAY-BSA SAND

Sand-Surfaced Self-Adhesive Roofing Underlayment

NOMINAL THICKNESS 1.3 mm	REINFORCEMENT Fiberglass	INSTALLATION Self-Adhered
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Product Description

VYLAY-BSA SAND is a fiberglass-reinforced, self-adhesive modified bitumen roofing underlayment designed to provide a durable secondary water-shedding and waterproofing layer beneath pitched roof coverings. The sand-finished upper surface offers practical handling and walkability, while the self-adhering underside enables cold application without torching or hot asphalt.

Product Construction

Layer	Material	Function
1	Sand surface	Handling surface and protection
2	Self-adhesive modified bitumen	Upper waterproofing compound
3	Fiberglass reinforcement	Dimensional stability and strength
4	Self-adhesive modified bitumen	Bonding and waterproofing compound
5	Removable release film	Protects adhesive before installation

Typical Applications

- Beneath asphalt shingles, metal roofing, concrete or clay tiles, slate and timber shingles
- At roof valleys, eaves, rakes, ridges, hips, chimneys, skylights and roof penetrations
- On plywood, OSB, cementitious boards, concrete, metal and other stable compatible roof decks

Key Benefits

- Cold-applied, self-adhering installation
- No torch or hot asphalt required
- Fiberglass-reinforced dimensional stability
- Reliable secondary waterproofing protection
- Sand surface for safer handling and improved walkability
- Good resistance to installation damage
- Compatible with common pitched-roof covering systems

Technical Data

Property	Typical Value	Test Method
Total thickness	1.3 mm	EN 1849-1 / ASTM D5147
Standard roll width	1.0 m	EN 1848-1
Standard roll length	20 m	EN 1848-1
Nominal roll area	20 m²	Calculated
Upper surface	Sand	Visual
Reinforcement	Fiberglass carrier	—
Lower surface	Removable release film	—
Tensile strength — longitudinal	≥ 300 N/50 mm	EN 12311-1
Tensile strength — transverse	≥ 200 N/50 mm	EN 12311-1
Elongation — longitudinal	≥ 2%	EN 12311-1
Elongation — transverse	≥ 2%	EN 12311-1
Tear resistance — longitudinal	≥ 100 N	EN 12310-1
Tear resistance — transverse	≥ 100 N	EN 12310-1
Watertightness	Pass at 60 kPa	EN 1928
Low-temperature flexibility	≤ -20°C	EN 1109
Heat resistance	No flow or dripping at 70°C	EN 1110
Peel adhesion to substrate	≥ 1.0 N/mm	ASTM D903 / Internal
Dimensional stability	≤ 0.5%	EN 1107-1
Water absorption	≤ 2.0%	ASTM D570 / Internal

Note: The values shown are typical production values and are not intended as guaranteed specification limits. Confirm project-specific requirements and current product test data before use.

Installation

The substrate must be structurally sound, clean, dry, smooth and free from dust, oil, frost, loose particles and sharp projections.

1. Unroll and position the membrane before removing the release film.
2. Remove the release film gradually while pressing the membrane firmly onto the substrate.
3. Use a roller to ensure full contact and remove trapped air.
4. Install from the lowest point of the roof upward and stagger end laps where practical.
5. Use a compatible primer on porous, dusty or difficult substrates when required.
6. Seal penetrations, laps and details with compatible VYKOL accessories.

Recommended Overlaps

Joint	Minimum Overlap
Side lap	90 mm
End lap	150 mm

Application Conditions

- Recommended application temperature: +5°C to +40°C.
- Do not install over wet, frozen or contaminated substrates.
- At low temperatures, store rolls in a warm, dry area before installation.
- Primer may be required under cold or challenging site conditions.
- Cover with the final roofing system as soon as practicable.
- Overlap requirements may vary with roof slope, exposure, local codes and project specifications.

Packaging

Standard thickness	1.3 mm
Standard roll size	1.0 m × 20 m
Nominal coverage	20 m ² per roll
Other dimensions	Available upon request

Storage and Shelf Life

Store rolls upright in their original unopened packaging in a cool, dry and well-ventilated area. Protect from direct sunlight, rain, heat sources and physical damage. Recommended storage temperature: +5°C to +35°C. Shelf life is 12 months from the manufacturing date when stored under recommended conditions.

Health and Safety

This product is intended for professional construction use. Wear suitable gloves, safety footwear and other appropriate personal protective equipment during handling and installation. Refer to the applicable Safety Data Sheet for further information.

Important Notice

The information in this Technical Data Sheet is based on VYKOL's current knowledge and experience and is provided in good faith. Product performance may vary with substrate condition, installation method and service environment. Users are responsible for verifying product suitability, substrate compatibility and compliance with project specifications, applicable standards and local regulations. VYKOL reserves the right to update product information without prior notice.