



VYLAY-S SA

Self-adhesive synthetic roofing underlayment

Product Description

VYLAY-S SA is a self-adhesive synthetic roofing underlayment composed of a high-strength synthetic base layer and a waterproof self-adhesive layer. Its surface offers slip resistance, weatherability, and tear resistance, making it suitable as a secondary waterproofing and temporary protective layer beneath systems such as sloped roof tiles, metal roofing, and asphalt shingles.

The product requires no open-flame application and can be adhered directly to substrates—including wood planks, OSB, concrete, or metal—to form a continuous, reliable waterproof protective layer.

Features

- Self-adhesive application; requires no hot-melt or open flames
- Slip-resistant surface facilitates safe movement during installation
- High tear resistance; suitable for use on sloped roofs
- Excellent nail-sealability
- Suitable as a secondary waterproofing layer in roofing systems
- Compatible with metal, tile, and asphalt shingle roofing
- Good weather resistance; provides short-term UV protection during construction
- Rapid installation; reduces the number of mechanical fasteners required

Typical Applications

- Waterproof underlayment for pitched roofs
- Waterproofing layer beneath metal roofing panels
- Underlayment for asphalt shingle roofing
- Waterproofing layer beneath clay or concrete tile roofing
- Reinforced waterproofing for ridges, eaves, valleys, and internal/external corners
- Temporary waterproof protective layer for timber-framed roofs

Construction Method

1. The substrate must be dry, solid, and level, and free from dust, oil, and sharp protrusions.
2. When applying over low-temperature, damp, or porous substrates, the use of a compatible primer is recommended.
3. Unroll and position the membrane, then remove the release liner from the underside.
4. Lay the membrane starting from the lowest point and working upwards, ensuring overlaps follow the direction of water flow.
5. Press the membrane firmly into place during application to prevent air pockets and wrinkles.
7. Recommended overlap widths: ≥ 75 mm for longitudinal joints and ≥ 150 mm for transverse joints.
8. Areas such as gutters, eaves, pipe penetrations, and internal/external corners require reinforced treatment.
9. The overlying roofing material should be installed as soon as possible after application.

Storage and Shelf Life

- Storage: Cool, dry, and well-ventilated area
- Stacking: Store upright; avoid heavy pressure that could cause deformation
- Avoid: Direct sunlight, rain, and high-temperature environments
- Shelf life: 12 months (in unopened original packaging)



Dimensions and Packaging

Items	Parameter
Thickness	0.98mm
Length	22.8m
Width	0.91m or 1.22m
Surface layer	Polypropylene composite non-woven fabric
Intermediate layer	Butyl self-adhesive glue
Bottom base layer	Two strips of polyethylene silicone-coated release film applied with an overlap.
Package	Each roll is packaged in a cardboard box, and the boxes are transported standing upright on pallets.

Technical Specifications

Items	Parameter		Test method
	Standard type	High-strength type	
Tensile strength	MD: $\geq 350\text{N}/50\text{mm}$ CD: $\geq 350\text{N}/50\text{mm}$	MD: $\geq 500\text{N}/50\text{mm}$ CD: $\geq 500\text{N}/50\text{mm}$	ASTM D2523
Elongation at break	MD: $\geq 20\%$ CD: $\geq 20\%$	MD: $\geq 20\%$ CD: $\geq 20\%$	ASTM D2523
Tear strength	MD: $\geq 100\text{ N}$ CD: $\geq 100\text{N}$	MD: $\geq 400\text{ N}$ CD: $\geq 400\text{N}$	ASTM D4073
Low-temperature flexibility	-30°C, no crack	-30°C, no crack	/
Bond strength – Plywood @ 23°C	$\geq 610\text{N}/\text{m}$	$\geq 610\text{N}/\text{m}$	ASTM D903
Bond strength – Metal @ 23°C	$\geq 720\text{N}/\text{m}$	$\geq 720\text{N}/\text{m}$	ASTM D903

