

## PRODUCT DATA SHEET

# Rollbase Polyester-V

Plastomeric modified bituminous roof membrane separation layer

### DESCRIPTION

Rollbase Polyester-V is an APP modified bituminous separation layer used as a base sheet for torch applied bituminous roof membranes which cannot be directly applied to the roof substrate. The membrane can be applied using various application methods to wood or metal substrates with or without existing waterproofing membranes. The underside is coated with an exposed non-woven polyester fabric which is absorbent and traps any residual moisture from wooden substrates or old waterproofing membranes. It is reinforced with fibreglass to ensure dimensional stability. Top surface finish: polyethylene film. Weight: ~2,0 kg/m<sup>2</sup>

### USES

Roof waterproofing accessory for:

- Flat and sloped roofs as a base sheet and/or water vapour transmission layer for torch applied bituminous roof membranes

### CHARACTERISTICS / ADVANTAGES

- Several methods of application: mechanically fixed, torch applied, cold bitumen adhesive or hot bitumen
- Flexibility at low temperature: ≤ -5 °C
- Good tensile and tear resistance
- Good elongation
- Good water vapour transmission

### APPROVALS / CERTIFICATES

- CE Marking and Declaration of Performance to EN 13970 - Bitumen water vapour control layers
- CE Marking and Declaration of Performance to EN 13707 - Flexible sheets for waterproofing - Reinforced bitumen sheets for roof waterproofing

### PRODUCT INFORMATION

<b>Composition</b>	APP modified bitumen Reinforcing material: Fibreglass mat coupled with "non-woven" polyester fabric	
<b>Packaging</b>	Roll size	
	Length	10,00 m
	Width	1,05 m
	Weight	~21 kg (2,0 kg/m <sup>2</sup> )
<b>Shelf life</b>	36 months from date of production	
<b>Storage conditions</b>	Product must be stored in original unopened and undamaged sealed packaging in dry conditions and temperatures between +5 °C and +35 °C. Store in a vertical position. Do not stack pallets of the rolls on top of each other, or under pallets of any other materials during transport or storage. Always refer to packaging.	

<b>Appearance and colour</b>	Top surface	Polyethylene film
	Backing	Non-woven polyester fabric
<b>Length</b>	10,00 m - 1 %	(EN1848-1)
<b>Width</b>	1,05 m - 1 %	(EN1848-1)
<b>Mass per area</b>	2,0 kg/m <sup>2</sup> ± 0,2 %	

## TECHNICAL INFORMATION

<b>Tensile strength</b>	Longitudinal	500 N/50 mm ± 20 %	(EN12311-1)
	Transversal	350 N/50 mm ± 20 %	
<b>Elongation</b>	Longitudinal	50 % ± 15 %	(EN12311-1)
	Transversal	80 % ± 15 %	
<b>Resistance to tear</b>	Longitudinal	200 N ± 30 %	(EN12310-1)
	Transversal	200 N ± 30 %	
<b>Watertightness</b>	60 kPa		(EN 1928-Method A)
<b>Flow rate</b>	≥ 100 °C		(EN 1110)
<b>Water-vapour transmission rate</b>	μ = 100 000 ± 20 %		(EN 1931)

## APPLICATION INFORMATION

<b>Ambient air temperature</b>	+5 °C min. / +50 °C max.
<b>Substrate temperature</b>	+5 °C min. / +50 °C max.

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## IMPORTANT CONSIDERATIONS

- At low temperatures, take care unrolling to avoid damaging the membrane.
- Use suitable footwear to avoid puncturing the membrane.
- Do not over-torch the membrane otherwise the polyester reinforcement (which melts at +260 °C) will be damaged making the membrane un-useable.
- If membrane is insufficiently heated, this can cause reduced adhesion to the substrate, between layers or on the overlaps. If this occurs, un-bonded areas must be lifted and re-torched.
- If a seasonal symbol is printed on the roll's label, it is advisable to use the membrane during the indicated season.

tions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

## ECOLOGY, HEALTH AND SAFETY

### REGULATION (EC) NO 1907/2006 - REACH

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable condi-

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

The supporting structure must be of sufficient structural strength to apply all new and existing layers of the roof build-up. Complete roof system must be designed and secured against wind uplift loadings. The substrate must be uniform, firm, smooth and free of any sharp protrusion or burrs, clean, dry, free of grease, bitumen, oil, dust and loosely adhering particles.

### SUBSTRATE PREPARATION

Use the appropriate preparation equipment to achieve the required substrate quality.

### APPLICATION METHOD / TOOLS

#### Installation procedure

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

#### Alignment

Unroll, align and re-roll correctly before permanently installing.

#### Overlaps

Side: 100mm. End: 150 mm.

#### Fastening

Rollbase Polyester-V can be mechanically fixed on the substrate by using large-headed fasteners. Contact Sika® Technical Services for additional information.

#### Torching

Use a gas burner to heat the substrate and the backing film on the underside of membrane. When the backing film starts to melt, the membrane is ready to stick. Roll the membrane forward and press firmly against the substrate to bond. Ensure a bead of melted bitumen is visible along the full length of the overlap sides and ends when laying.

#### Hot bitumen or cold bitumen adhesive bonding

Apply the appropriate product from the SikaBit® Hot Melt or Sika® Igoflex® range, at the correct consumption to the prepared substrate. Refer to the individual Product Data Sheets.

#### Detailing

All details such as internal and external corners, upstands, vent pipes, drains, support metalwork etc. must be cut and sealed effectively. Detailing must follow the recommended guidelines and good practice for the fastening, torching or bitumen bonding application method used.

#### Protection

The membrane must be protected from damage during any ongoing site activities.

Sika Australia Pty Limited

ABN 12 001 342 329

aus.sika.com

Tel: 1300 22 33 48

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Product Data Sheet

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