a.b.e.® Construction Chemicals

abedex® V-SR
Single Reinforced

ELASTOPLASTOMERIC COMPOUND (BPP) REINFORCED IN REINFORCED POLYESTER

DESCRIPTION

The **abedex V-SR membrane** are available in 3 mm and 4 mm thicknesses on a 10 m roll. The membrane manufacturing processes uses polymer modified bitumen reinforced with a composite reinforcement. This ensures a good quality membrane that has high elongation and stability across the defined temperature range.

The upper face of **abedex V-SR membrane** are coated with a sand finish which allows the membrane to be unrolled easily during the application and provides a prepared surface for the application of a aluminium reflective coating to the upper membrane side.

The underside of the membrane is lined with Flamina, a sacrificial polyethylene film. It is embossed with small squares which assist in the rapid burn-off of the Flamina as an indicator that the correct melting point for adhesion to the primed substrate ensuring a reliable installation.

USES

- The **abedex V-SR membrane** can be used as a single layer system or as part of a multi-layer in both the refurbishment and new building works market.
- On all sloping surfaces: flat, vertical and curved
- Walls, foundations and concrete roofs.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- The substrate is to be clean, dry and free of any dust, grease, oils or loose debris. The substrate is to be of a smooth and even condition being free of protrusions or voids.
- Coves or fillets are to be installed at all internal angles.
- Screed to falls of 1:80.

PRIMING

- Apply **bitu.prime** primer on substrates to receive membrane.
- Allow to flash off or dry.

APPLICATION/BONDING

- Avoid rough handling, especially at low temperatures below 5 °C. Work must be stopped at temperatures below -2 °C.
- Our standard application of the membrane requires that the product be fully bonded by heat fusion to the primed substrate by heat fusion.
- If a two layer membrane system is to be fitted the upper membrane must be laid with staggered side and end laps.
- We recommend side laps to be minimum of 75 mm and end laps to be a minimum of 100 mm.
- A round nosed trowel and gas torch to be used when installing the membrane ensure adequate bonding of the laps.
- Protection coating or overlay to be determined by a professional with **a.b.e.®** technical assistance.

PROPERTIES

Type	Reinforce-ment	Surface finish	Thickness - weight /m²	m²/ Pallet	Weight
3 mm	Polyester	Sand	3 mm	250	42 kg
4 mm	Polyester	Sand	4 mm	200	50 kg

DIMENSIONAL SPECIFICATIONS

Length	10 m - 1% (UNI EN 1848-1)	Tol. ≥
Width	1 m - 1% (UNI EN 1848-1)	Tol. ≥
Thickness	UNI EN 1849-1	Tol. 0.4 mm
Weight per m²	UNI EN 1849-1	Tol. 10%

TECHNICAL CHARACTERISTICS

Characteristic	Tolerance	
Watertightness (UNI EN 1928)	≥	60 kPa
Dimensional stability L (UNI EN 1107-1)	≥	-0.3%
Flow resistance at high temperature (EN 1110)	≥	120 °C
Flow resistance at high temperature after aging (UNI EN 1296 / UNI EN 1110)	-10 °C	110 °C
Tensile strength L/T (UNI EN 12311-1)	-20 %	400/250 N/50 mm
Elongation at break L/T (UNI EN 12311-1)	-15 v.a.	35 %/35 %
Water vapour transmission (UNI EN 1931)	-	μ20000
UV Ageing	-	Passes the test (4 mm)
Watertightness after exposure to chemical agents artificial ageing (UNI EN 1296) (UNI EN 1928 / UNI EN 1847)	-	NPD

MODEL SPECIFICATION

Please contact the **a.b.e.®** technical sales team for a specific project specification (0860 223 773).

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.® Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot – because **a.b.e.®** has no direct or continuous control over where and how **a.b.e.®** products are applied.

FURTHER INFORMATION

- Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.
- **a.b.e.® Construction Chemicals** has a wealth of technical and practical experience built up over the years in the company's pursuit of excellence in building and construction technology.
- Please consult our website for our latest datasheets.

CELEBRATING 90 years of product quality and innovation since 1932

DATE UPDATED: 17/10/2022

a.b.e.® is an ISO 9001:2015 registered company
101 Main Reef Road, Boksburg North, 1459 | Tel: +27(0)11 306 9000
www.abe.co.za

SAINT-GOBAIN