

ELASTOPLASTOMERIC COMPOUND (BPP) REINFORCED IN GLASS CLOTH AND POLYESTER GLASS FABRIC

DESCRIPTION

abedex unigum Dual Reinforced is a robust and stable membrane due to the incorporation of two reinforcement materials; the membrane strength from the polyester and the stability from the fiberglass mat. The upper surface of the membrane receives an evenly distributed sand finish which allows the membrane to be unrolled easily during the installation process. The underside of the membrane receives a sacrificial polyethylene film, Flamina and then the membrane is embossed. The embossing allows for rapid burn off of the polyethylene film when the membrane is being installed by gas torch installation.

USES

- **abedex unigum Dual Reinforced** bitumen waterproofing membranes possess excellent ageing resistance and dimensional stability making them suitable for solving the most difficult waterproofing problems on; flat, sloping and pitched roofs, reinforced concrete, prefabricated concrete, masonry cement, metal and timber decks and terraces, with or without thermal insulation and for renovation purposes.

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	Reinforcement	Surface finish	Thickness - weight /m ²	m ² /Pallet	Weight
3 mm	Polyester + Glass	Sand	3 mm	250	50 kg
4 mm	Polyester + Glass	Sand	4 mm	200	57 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. 0.2 mm

TECHNICAL CHARACTERISTICS

Characteristic	Tolerance	
Watertightness (UNI EN 1928)	≥	60 kPa
Dimensional stability L (UNI EN 1107-1)	≥	-0.2%
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 %	400/300 N/50 mm
Elongation at break L/T (UNI EN 12311-1)	-20 v.a.	35 %/40 %
Water vapour transmission (UNI EN 1931)	-	μ20000
UV Ageing (UNI EN 1297)	-	Passes the test (4 mm)

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.

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