a.b.e.® Construction Chemicals

abedex® unigum®
Mineral Slate

ELASTOPLASTOMERIC COMPOUND (BPP) REINFORCED IN REINFORCED POLYESTER

The membrane is manufactured from modified bitumen reinforced with a non-woven polyester fabric.

DESCRIPTION

abedex unigum Mineral Slate incorporates a slate granule imbedded into the upper surface of the membrane producing an aesthetically pleasing, low maintenance waterproofing material. It should be noted that this membrane should not be used as a primary waterproofing membrane, but rather as a capping sheet in a two layer system.

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 torch application.

USES

- Normally used in any exposed waterproofing system.
- The mineral surface should be used as the upper membrane in a two layer system acting as a capping or weather sheet.

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.

PROPERTIES

Type	Reinforce-ment	Surface finish	m²/ Pallet	Weight
4.5 kg	Polyester	Slate Granule	230	45 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
Weight per m²	UNI EN 1849-1	Tol. 10%

TECHNICAL CHARACTERISTICS

Characteristic	Tolerance	
Waterproof rating (UNI EN 1928)	≥	60 kPa
Dimensional stability L (UNI EN 1107-1)	≥	-0.3%
Stability of shape when hot (EN 1110)	≥	120 °C
Stability of shape when hot 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 %
Vapour permeability (UNI EN 1931)	-	μ20000
UV Ageing (UNI EN 1297)	-	-
Adhesion of the granules (UNI EN 12039)	≤	30%
Water penetration resistance (UNI EN 1928)	-	Class W1
Intended use	-	Finishing layer

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

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