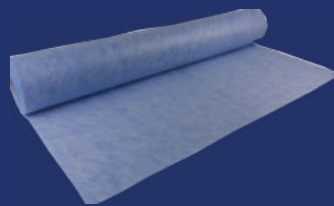# VELOSIT® DB 840

Waterproofing Membrane Underneath Ceramic Floor Coverings

Application fields

VELOSIT DB 840 is a watertight, crack bridging waterproofing membrane used for surface waterproofing underneath tiles. Typical application fields besides others are as follows:

- Exterior and interior
- Waterproofing underneath ceramic coverings for W0-I to W2-I acc. DIN 18534 and according to the load classes A and C
- Waterproofing membrane on terraces, balconies and patio decks acc. DIN 18534-5
- Waterproofing of the wall-slab joint
- On heated and non-heated screeds

Properties

VELOSIT DB 840 is a flexible waterproofing membrane with good resistance against hydrostatic pressure. It is applied to the substrate with a suitable adhesive with an overlap at the joints.

- > 100 % tensile elongation
- Covered with a geotextile on both sides
- High tear resistance
- Water vapor reducing with a good adhesion to cementitious thin set adhesives and liquid waterproofing materials
- Ideal for fast track waterproofing
- Uniform thickness
- Very low emissions - EMICODE EC1 PLUS

Application

1.) Substrate preparation

VELOSIT DB 840 is suitable for all substrates that are suitable for the installation of tiles. VELOSIT DB 840 is only suitable against positive side water pressure.

Substrate must be open porous and load bearing. Blowholes, honeycombs or other surface defects can be filled with VELOSIT WP 101 or the repair mortar VELOSIT RM 202.

2.) Processing

All joints and cracks with more than 6 mm (¼") width must be filled with a backer rod or a flexible joint material before the installation of VELOSIT DB 840.

a.) Adhesion with of the membrane with VELOSIT TA 704, VELOSIT TA 705, VELOSIT TA 706, VELOSIT TA 707 and VELOSIT TA 708: Mix a suitable amount of the VELOSIT adhesive acc. the respective technical data sheet and apply a mortar bed matching the width of the membrane with a 4 mm (3/16 ") notched trowel. Push VELOSIT DB 840 immediately into the fresh mortar bed and smoothen with a trowel. Excessive adhesive may be used to smoothen the height difference between substrate and the membrane. Apply the adhesive for the next section with an overlap of 5 cm (2") and apply the membrane as described above. On exterior applications the overlaps must be adhered and overworked with VELOSIT WP 120.

b.) Tile installation: Immediately after the curing of the adhesive underneath the membrane mix and apply the suitable adhesive according the respective technical data sheet on the VELOSIT DB 840 membrane.

3.) Curing

VELOSIT DB 840 does not require curing. After curing of the adhesive the membrane is ready to receive tiles and natural stones.

Estimating

The required amount is calculated based on the total area plus 5% for the required overlaps.

Cleaning

VELOSIT DB 840 does not cause any dirt. Areas soiled with tile adhesive can be cleaned with a moist cloth.

Quality features

Color:	blue
Dimensions:	1000 mm (40")
Thickness:	0.5 mm (20 mil)
Weight:	0.2 kg/m
Substrate temperature:	5 – 35 °C
	(40 – 95 °F)
Tensile elongation:	100 %

Packaging

Rolls:
Width 1000 mm (40"), Länge 30 m (98')

Storage

VELOSIT DB 840 can be stored in unopened original packs for 5 years at 5 – 35 °C (40 – 95 °F) in a dry storage place protected against sunlight.

Safety

Please observe the actual valid material safety data sheet and follow the described safety measures for handling of the product.

Recommendations

VELOSIT DB 840 is only available for professional applicators.

All described product features are determined under controlled laboratory conditions according to the relevant international standards. Values determined under job site conditions may deviate from the stated values.

Please always use the latest version of this data sheet available from our website www.velosit.de.

Manufacturer

VELOSIT GmbH & Co. KG
Industriepark 5 – 7
32805 Horn-Bad Meinberg
Germany
www.velosit.de