

Technical Information Sheet



FDT protection layer

Delivery form	Item Number
1 roll of protection layer 20 m × 2.05 m	17 09 000

Description

The protection layer protects the roof waterproofing from mechanical damage. The membrane is a 1.8 mm thick, highly puncture-resistant protection layer made of PIB with a synthetic non-woven backing.

In roof layouts using polymeric roofing membranes, the protection layer can be used for the following applications:

- As a separating layer for non-standard gravel.
- As a protection layer for used roof surfaces, such as roof terraces with slab coverings, green roofs and roofs ballasted with gravel.

The protection layer provides optimal protection for the waterproofing membrane against mechanical damage. The full-surface fleece lamination ensures a reliable separation from the waterproofing layer. Because the roll is 2.05 m wide, the protection layer can be installed cost-effectively.

For easy seam sealing (hot air welding), the protection layer has a fleece-free edge on one long side.

Application and processing

The protection layer is laid loosely with the fleece side facing downwards. The seam sealing can be designed differently depending on the area of application:

- With 8 cm seam overlap without seam sealing.
- With 5 cm seam overlap and seam welding with hot air. Seams must be closed when used as a protection layer under screed or slab flooring in a mortar bed. For test welds, the welding parameters can be set to approximately 520° at 5 m/min.

At the edges of structural elements, the protection layer is installed as a loosely overlapping flap that extends approximately 25 cm onto the waterproofing layer, where it remains unwelded. In applications such as those under screed, these seams must also be sealed using hot-air welding.

Note:

The protection layer is not intended for outdoor weathering and must therefore always be covered.

Properties

Technical data	Declared value
Color (top)	black
Color (bottom)	white
Nominal thickness	1.8 mm, including non-woven backing
Nominal weight	1.0 kg/m ²

Storage

- The protection layer retain their product properties in unopened and undamaged original packaging
- Store material in the original packaging until installation
- Carefully reseal opened packaging units when outdoor storage
- Store rolls horizontally only
- Protect rolls from direct sunlight, rain and snow

Shelf life

Unlimited, provided it is stored correctly.

Packaging and disposal

Roll 50 m × 2.05 m approx. 41 kg per roll
Disposal codes/Waste code: 17 02 03 (plastics)

Precautions and occupational safety

General safety regulations must be observed.

Transport

General safety regulations must be observed.

Please note: As our products are constantly evolving, please contact our technical department or visit www.fdt.de for the latest information on our products.

Legal Notice:

We refer emphatically to the fact, that all details mentioned, especially the application and utilization recommendation for the products and their system accessories, have been developed under normal conditions, and based on our knowledge and experience. Appropriate storage and usage of the products are assumed. A warranty or reliability of a finished project cannot be deduced because of varying materials, substrates and differing work conditions, neither by any indications nor from verbal statements, irrespective of any legal positions. For the possible accusation that FDT acted intentionally or grossly negligent, the user has to supply evidence that they provided FDT with all information and details necessary for an appropriate and correct evaluation through FDT in written form, immediately available and complete. The user is responsible for ensuring that the products are suitable for the given application. It is FDT's right to change product specifications without notice. Property rights of third parties are to be considered. In addition, our particular sales and delivery terms are valid. The latest version of our product data sheet is obligatory, which can be requested directly through FDT. All information as well as all technical and drawing data comply with current technical standards and are based on our experience. National standards and regulations must be observed.

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