

# Technical Information Sheet



## FDT roofing membrane adhesive

| Delivery form   | Item Number |
|-----------------|-------------|
| 10 kg container | 14 68 010   |

### Description

FDT roofing membrane adhesive is a one-component polyurethane adhesive (CFC-free) that is particularly well suited for strip bonding or fully bonding of fleece-backed roofing membranes. It has excellent properties in terms of elasticity, heat resistance, aging resistance, open time and adhesive strength.

### Application and processing

One-sided adhesive for bonding fleece-backed polymeric roofing membranes, e.g. Rhepanol hfk/hfk-bs and Rhenofol CGv, to substrates such as concrete, timber and suitable bituminous membranes. Other substrates must be agreed with the technical department.

The substrates must be dry, even, firm, clean and free of dust, cracks and grease.

When bonding to bituminous membranes, the top-layer film lamination must be flamed off. Talcum-coated bitumen roofing membranes are not permitted.

In hot, dry weather, we recommend spraying the adhesive with a light mist to speed up the reaction time.

### Adhering the roofing membrane:

The roofing membrane adhesive is applied evenly to one side of the substrate in sufficient quantity and after a short flash-off time the roofing membrane is laid and pressed on. The applied adhesive beads must still sufficiently wet the back of the membrane. Avoid accumulation of adhesive to prevent bubbles from forming. It is recommended to smooth the surface with a broom. The roofing membrane can be laid using the roll-in or folding method.

In the case of heat-sensitive substrates (e.g. EPS), ensure that the membrane overlap is increased.

## Properties

| Technical data               | Declared value                                                                                                                      |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Color                        | brown/yellowish                                                                                                                     |
| Raw material basis           | single-component polyurethane                                                                                                       |
| Density                      | 1.08 g/cm <sup>3</sup>                                                                                                              |
| Viscosity                    | 8,500 mPas                                                                                                                          |
| Thinners and cleaning agents | Special solvent                                                                                                                     |
| Flash-off time               | approx. 5 minutes<br>The flash-off time is highly dependent on the application quantity, the substrates and the weather conditions. |
| Application temperature      | optimal at 15 °C to 25 °C; do not use below +5 °C                                                                                   |
| Open time                    | depending on weather conditions up to 20 min.                                                                                       |

## Consumption

| Building height in wind zones 1 and 2 | Inner area EN 1991-1-4 | Perimeter and corner areas EN 1991-1-4 | Minimum quantity of adhesive strips/m |
|---------------------------------------|------------------------|----------------------------------------|---------------------------------------|
| 0 to 8 m                              | 150 g/m <sup>2</sup>   | 200 g/m <sup>2</sup>                   | 8                                     |
| over 8 m to 20 m                      | 180 g/m <sup>2</sup>   | 250 g/m <sup>2</sup>                   | 8                                     |

For insulation made of mineral wool (MW) or building heights over 20 m and for wind zones 3 and 4, the adhesive consumption and distribution must be specified for each building.

## Storage

Dry at +10 °C; not susceptible to frost.

## Shelf life

Minimum 1 year at room temperature in unopened original container.

## Packaging and disposal

Contents 10 kg, tinplate container with press-fit bellows fitting.

Waste code number for the product: 080409

Waste code number uncleaned packaging: 150110

## Precautions and health and safety

See safety data sheet.

### Attention!

For commercial and industrial use — whether as an employee or a self-employed individual — you must successfully complete the appropriate training on diisocyanate-containing PU adhesives and PU sealants before using diisocyanates, effective August 24, 2023. This requirement stems from a REACH restriction regulation (dated August 4, 2020).

For more information, please visit our website: [www.fdt.de/news/haben-sie-es-schon-gewusst/](http://www.fdt.de/news/haben-sie-es-schon-gewusst/)

## Transport

Information on transport labeling can be found in section 14 of the safety data sheet.

*Please note: As our products are constantly evolving, please contact our technical department or visit [www.fdt.de](http://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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