

PROOFMATE EBF

Properties:

PROOFMATE EBF are joint sealing profiles of various sizes based on EPDM (ethylene-propylene-diene copolymer).

PROOFMATE EBF is used for the renovation of expansion and connection joints eventually together with *FIX-O-FLEX F* adhesive.

Due to its high-quality base material *PROOFMATE EBF* joint profiles can also be applied in areas subjected to chemical attack and/or exposed to UV.

Technical data:

Substance data:

Material basis	EPDM	
Hardness IRHD	72	DIN ISO 48
Tear strength	9.21 MPa	ISO 37
Elongation at break	263 %	ISO 37
Temperature resistance	-40 to +130°C	

Ageing 7d / 70°C rel. change:

Shore A hardness	± 5	DIN EN ISO 10563
Tear strength	± 10 %	
Elongation at break	± 25 %	

Ozone resistance:

Elongation of 20 %	no crack
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DIN ISO 1431-1

Compression set:

24 h at 70°C	10.8 %
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DIN ISO 815

Stress relaxation at 50°C:

after 24 h	18.25 %
after 72 h	23.32 %
after 5 d	24.85 %
after 7 d	25.11 %

DIN EN 14840

Recovery at low and high temperatures:

72 h at -10°C	86.7 %
72 h at 70°C	88.7 %

DIN EN 14840

Protection against over-extension:

Tear resistance	655.23 N
Start elongation	1.92 %
Elongation at 300 N	2.6 %

DIN EN 14840

The measured values are gained with a *PROOFMATE EBF* profile of 8 mm.

Processing:

PROOFMATE EBF profiles are installed by means of hammer and wedge or mechanically with a pneumatic chipping hammer.

While choosing the right dimension of profile it should be kept in mind that the profile has to be able to create pressure inside the joint.

PROOFMATE EBF can be additionally fixed with *PROOFMATE F* adhesive to support the profile.

When bonding the profile ensure that the surface is dry, stable and free of separating substances.

For cleaning of surfaces we recommend using of *FIX-O-FLEX HAFTGRUND* (see Technical Data Sheet *FIX-O-FLEX HAFTGRUND*).

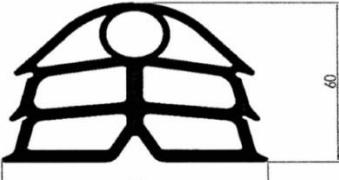
For high sucking and maximal slightly moist groundings the surface has to be primed in advance with *HYDROPOX EPG* (see Technical Data Sheet of *HYDROPOX EPG*).

For bonding of *PROOFMATE EBF* profile *PROOFMATE F* adhesive should be sprayed steady on the stable bonding substrate. Afterwards the *EBF* profile is immediately pressed into the fresh adhesive.

For further information on bonding please refer to the Technical Data Sheet of *PROOFMATE FD-SYSTEM*.

Profile types:

Profile type	Joint width	Profile width
 EBF 6 mm	6 mm	11 mm
 EBF 8 mm	8 mm	14 mm
 EBF 10 mm	10 mm	16 mm
 EBF 12 mm	12 mm	19,2 mm
 EBF 15 mm	15 mm	24 mm

 EBF 20 mm	20 mm	32 mm
 EBF 25 mm	25 mm	40 mm
 EBF G	40 - 70 mm	83 mm

Safety information: No special measures required

Packaging: Rolls or bundles in carton or on pallets (depending on profile type)

Storage: Shelf life at least 24 month in original packaging when stored in dry conditions between 15-25°C, protected from heat, frost and direct sunlight.

After the expiration the use of the product is generally not recommended, unless an approval has been provided by TPH. This approval can only be obtained by the quality assurance department of TPH releasing the material after verification of main properties being within specification.

Disposal: *Recommendation:*

Small quantities of product residues can be disposed of as normal domestic waste. Dispose of bigger quantities must be effected in accordance with the corresponding local regulations.

Test certificates: PROOFMATE EBF in traffic areas - test report P 6023; Kiwa Polymer Institut Flörsheim-Wicker 2009

**Legal notice:**

The correct and thus successful application of our products is not subject to our control. A guarantee can be issued for the quality of our products within the framework of our sales and supply conditions, however not for successful processing. All data and specifications in this specification sheet are based on the present state of the art and the right to changes and adaptations for the sake of development remains explicitly reserved. The consumption specifications designated by us can be only average empirical values, where deviations are possible on an individual basis and therefore cannot be excluded by us.

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