

## Technical Data Sheet – ProElast® Foil 1.0

### Product description

ProElast® foil 1.0 is a tested EPDM foil sheet with a surface texture on both sides. It is used as a pure elastomer sheet and as part of the ProElast® system for sealing purposes.

The ProElast® system is a reliable, external sealing system for construction joints and crack control sections, which withstands high water pressure.

### Product features

- ::: Foil thickness 1 mm
- ::: supplied in any width up to 1.7 m
- ::: fulfills DIN EN 13967 and DIN EN 13984
- ::: Quick and easy processing
- ::: high chemical and microbiological resistance
- ::: suitable for drinking water according to German KTW recommendation
- ::: To be bonded use 1-component, solvent-free adhesive and sealant (InnoElast® type 1 or 2)

### Areas of application

- ::: strip-shaped sealing in systems of various kinds of joints and connections
- ::: large-area seal in the roof and basement sector
- ::: as a barrier layer in walls and panel areas

### Product data and delivery form

5004050	ProElast® 1.0 w=200 mm
5004112	ProElast® 1.0 w=300 mm
5004128	ProElast® 1.0 w=400 mm
5004117	ProElast® 1.0 w=500 mm
5004147	ProElast® 1.0 w=750 mm



### Processing information

The tested ProElast® foil can be used for all common sealing applications using plastic and elastomer sheets under the series of standards DIN 18195, DIN 18531 to 18535. The foil is available in various thicknesses depending on the required application.

ProElast® foil 1.0 with a foil thickness of approx. 1 mm is a system component belonging to the ProElast® sealing system for the external, strip-shaped sealing of construction joints and controlled crack cross-sections for elements made of concrete with a high water penetration resistance.

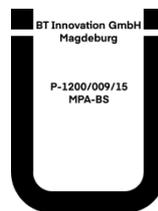
Please observe the processing instructions in the “ProElast® system” data sheet for this application.

### Packaging

25 m/roll (24 rolls/pallet)

### Technical properties

Color	black
Roll length	25 m
Roll width	200, 300, 400, 500, 750, 1500 mm (other widths up to 1700 mm possible on request)
Thickness:	Approx. 1.0 mm
Tensile strength	> 6.00 N/mm <sup>2</sup> (maximum tensile force > 300 N/50 mm)
Hardness	approx. 58 (Shore A type)
Tear propagation resistance	> 50 N (nail shank, DIN EN 12310-1, nail spacing 50 mm)
Maximum tensile force elongation of foil	> 300 %
Coefficient of diffusion resistance H <sub>2</sub> O	approx. 32000 μ
Temperature resistance	up to +120°C (briefly to +140°C)
Shear resistance of joining seams	> 175 N/50 mm (adhesive seam with InnoElast® 1 or 2, DIN EN 12317-2)
Fire behavior	Category E (DIN EN 13501-1)



ProElast® system

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The information in this data sheet has been provided with care based on our experience and the respective known state of science and technology, but is not binding. They must be adapted to the respective building object, intended use and the special local conditions. Given this, we ask for understanding that we limit our liability for the information provided in this data sheet and do not assume any liability in case of intent, gross negligence or breach of the instructions. In any case, the accepted rules of technology must be complied with.

Issue 09/19 – This data sheet has been technically revised. Previous issues are not valid, if a new issue has been technically revised, this issue loses its validity. Please make sure that you are in possession of the latest issue.