

Technical data sheet – BasicElast

Product description

BasicElast is an elastoplastic joint tape and is used as a compression sealant for sealing joints between precast concrete elements. Typical applications are the sealing of precast concrete joints in temperate and warm climate zones, e.g. versus standing seepage water.

Product features

- ::: Very easy to process
- ::: Installation without further aids or tools
- ::: Waterproof immediately after assembly
- ::: Flexible even at low temperatures
- ::: Weather resistant
- ::: Resistant to diluted acids (HCl, H₂SO₄), alkalis (NaOH, KOH) and salt solutions (NaCl)
- ::: Can be combined with other Elast products

Areas of application

- ::: For sealing joints between precast concrete elements
- ::: For use in temperate and warm climate zones

Product data & delivery form

5002076	BasicElast 17 mm x 17 mm
5002063	BasicElast 25 mm x 19 mm
5002065	BasicElast 32 mm x 25 mm
5002064	BasicElast 38 mm x 32 mm

Substrate preparation

Substrates must be firm and load bearing, as well as free from dust, grease, oils and other separating materials. The substrate must be dry during assembly. For difficult substrates we recommend to use the RubberElast® primer in addition. In case of doubt we recommend to make a preliminary test.

Processing

BasicElast is applied directly from the roll, with the protective foil facing upwards, onto the surface being jointed and pressed down on along the entire length. In the corners, the sealing tape is bent into the required shape before being pressed on. To extend the BasicElast tape, the ends should be cut diagonally (30° to 45°) so that these are bonded on top of each other after pressing them together without increasing the cross-section of the tape in the connection area. For cutting purposes we recommend a sharp blade (cut, don't press). Before placing the next element, the protective foil must be removed and it has to be checked that the sealing tape is fixed

firmly and immovably in the desired place. Immediately afterwards, the next precast element in the joint area is pressed against the sealing tape so that it can stick to the latter. A sealing tape compression of approximately 60 % is sufficient to seal the joint against only slightly pressing water (e.g. accumulating seepage water). In order to achieve the full sealing capacity of BasicElast, it must be ensured during assembly that the sealing tape has been compressed by 70 % to 90 % of its original height along the entire joint.

The joint can be checked for tightness and exposed to water directly after assembly.

Notes

Particularly on horizontal joints, bear in mind that the BasicElast tape is a sealing tape and is NOT used for load transmission. This must be ensured by using other suitable measures if need be. To prevent the sealing tape from being destroyed, the joint width must not be less than 2 mm at any place and at any time.

BasicElast requires more force for compression than the related product, RubberElast®. If BasicElast is used in combination with the BT-Spannschloss® (turnbuckle), this must be taken into account accordingly.

Not suitable for applications with contact to oils or organic solvents (gasoline, diesel).

At low temperatures, the assembly can be made easier by storing the BasicElast material in a warm place (room temperature) if possible until immediately before assembled. To make the process even easier, the surface of the component can be heated up in the joint area.

For other applications we recommend carrying out a preliminary test in case of doubt and contacting our application technology department to clarify any questions.

Storage

Can be stored for 2 years in a cool and dry environment

Packaging

Size (width x height in mm)		
17 x 17	4.50 m/roll	8 rolls/carton
25 x 19	4.40 m/roll	6 rolls/carton
32 x 25	4.40 m/roll	4 rolls/carton
38 x 32	3.20 m/roll	4 rolls/carton
45 cartons/pallet		

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Technical properties

Color	black
Consistency	elastoplastic
Main component	rubber compound
Processing form	Self-adhesive on rolls with protective foil
spec. density	1.15 -1.4 g/cm ³
Flexibility at low temperatures	Does not break, no loss of adhesion at -20°C
Temperature resistance	-40°C to +110°C
Processing temperature	-5°C to +45°C (Element and material temperature)
Chemical resistance	HCl, H ₂ SO ₄ (5 % acid, liquid aggressive to concrete)
No visible changes after 30 days in	NaOH, KOH (5 % alkali) NaCl (5 % salt solution)

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 10/22 – 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.