

Technical data sheet – SynkoElast®

Product description

SynkoElast® is a sealing tape for construction joints and crack control joints in in-situ concrete. It can be installed in fresh concrete / in-situ concrete or on solid, hardened concrete.

Product features

- ::: Very easy to process
- ::: Installation without further aids or tools
- ::: Flexible even at low temperatures
- ::: Weather resistant
- ::: Water pressure-tight up to a water column of 20 m
- ::: Resistant to acid, alkali and salt
- ::: Can be combined with other Elast products

Areas of application

- ::: for sealing construction joints / crack control joints in in-situ concrete
- ::: for sealing joints between precast concrete elements with subsequent concreting
- ::: for sealing construction joints in sewage treatment plants and in civil engineering

Product data and delivery form

5001051 SynkoElast® 4m roll



Storage

Unlimited storable in a cool and dry environment

Packaging

Size (30 mm x 20 mm)
24 m/carton
45 cartons/ palet

Occupational safety

Please observe the safety information in the safety data sheet

Substrate preparation

::: 1. Fresh concrete

When installing in fresh concrete it is not necessary to prepare the substrate. The only thing to bear in mind is that SynkoElast® is installed in the concrete directly after it has been brought in.

::: 2. Hardened concrete

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. A preliminary coat/the primer for SynkoElast® is to be applied in order to ensure a secure hold of the SynkoElast® sealing tape.

Processing

SynkoElast® is pressed halfway into the fresh concrete directly from the roll with the protective foil facing upwards. The ends of the rolls have to be connected with each other by an overlap of 5 cm at the sides. During cement hydration SynkoElast® bonds with the fresh concrete and forms a permanent and flexible sealing. Once the concrete has hardened, the protective foil is removed shortly before the 2nd concreting step and filled with in-situ concrete.

When installing on hardened concrete, a preliminary coat/primer for SynkoElast® must be applied on the surface. SynkoElast® is installed directly from the roll, with the protective foil facing upwards, on the heated surface pretreated with the dried primer. A secure connection is created by firmly pressing on and surface melting of the SynkoElast®. The protective foil must only be removed shortly before the next concreting section.

Notes

When used for general building waterproofing and in accordance with the corresponding "WU Richtlinie" (DAfStb Guideline of Waterproof concrete structures), the general building inspection test certificate of the MPA Braunschweig must also be observed.

When sealing sewage treatment plants, the examination reports 5159/2726a and 1201/415/16 compiled by the MPA Braunschweig must be observed.

At low temperatures, the assembly can be made easier by storing SynkoElast® in a warm place (room temperature) if possible until immediately before being fitted. It is then easier to unroll SynkoElast® as an even, flat tape and press it halfway into the fresh concrete.

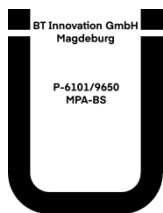
To make the process even easier, the surface of the solid component in the joint area can be additionally heated.

Technical data sheet – SynkoElast®

Smooth protective gloves are to be worn during installation.
For other applications we recommend carrying out a preliminary test in case of doubt and contacting our application technology department to clarify any questions.

Technical properties

Color	black
Consistency	elastoplastic
Processing form	on rolls with protective foil
spec. density	approx. 1.3 g/cm ³
Adhesive tensile strength	> 18kPa (on concrete)
max. joint displacement	< 3mm (for the size 30x20 mm)
Temperature resistance	-40°C to +70°C
Processing temperature	0°C to +35°C (element and material temperature Storage at room temperature makes processing at low temperatures easier)
Chemical resistance	H ₂ SO ₄ (pH 4) - acid, liquid aggressive to concrete Ca(OH) ₂ (pH 12) - alkali NaCl - salt



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.