

Bentoproof black PLUS

TECHNICAL DATASHEET

Status 17.06.2020

Item no.: S06122025
S06121520

PROPERTIES

Bentoproof black PLUS is a sodium-bentonite based hydrophilic water bar, technically perfected for sealing construction joints in concrete structures. The protective coating prevents premature swelling of the bentonite water bar. Thus installation may take place regardless of weather conditions.

APPLICATION

The concrete's setting process causes the protective coating to disintegrate due to the alkalinity of the concrete and the increasing heat. The bentonite water bar changes from its solid state to a plastic compound allowing it to penetrate the finest cracks and cavities. If increasing of the volume is obstructed, a swelling pressure will be created in a delayed time which finally engages the sealing. It is to ensure that the surrounding concrete has developed the necessary firmness to withstand such expansion. Even after numerous wet/dry cycles, **Bentoproof black PLUS** water bar, fully flush-lying in the construction joint, will continue to function properly.

TECHNICAL DATA

Composition :	Sodium-bentonite with protective coating
Profiles:	15 x 20 mm 20 x 25 mm
Colour:	black
Consistency:	plastic

PACKAGING & STORAGE

Dimensions :

15 x 20 mm - profile	1 unit: 5 m roll	8 rolls / carton = 40 m	720 m / pallet
20 x 25 mm - profile	1 unit: 5 m roll	8 rolls / carton = 40 m	720 m / pallet

Bentoproof black PLUS must be stored in a dry place. Avoid mechanical damage.

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INSTALLATION

The concrete surface must be dry, free of dust, forming oil rest and loose particles. Unevenness can be adjusted with the **Polymer-swellingpaste SX® 100** and must not show any sharp-edged displacement. Before installing **Bentoproof black PLUS** ice coverings, standing water and cement sludge have to be removed.

Bentoproof black PLUS can either be installed with clamps, with **Contact adhesive SuperX 1** or with a special fixing mesh on the first concrete section in the middle of the joint in between the reinforcements.

The distance in between two neighboring clamps is depending on the state of the surface. The maximal distance of 15 cm must not be exceeded to ensure that **Bentoproof black PLUS** is securely fixed in place and will remain so during concreting in the second concreting section.

Lightly pushing the water bar into the **Contact adhesive SuperX 1** ensures optimum fixing.

When installing **Bentoproof black PLUS** with the special fixing mesh wall plugs arm the mesh on its external section.

The minimal covering of concrete must be at least 8 to 10 cm on all sides. This ensures that the necessary expansion and sealing effect can be achieved.

ACCESSORIES

Item no. S02830291	Contact adhesive Super X1 PLUS cartridge 290 ml
Item no. S02830290	Contact adhesive Super X1 cartridge 290 ml
Item no. S02410290	Polymer-swellingpaste SX® 100 cartridge 290 ml

Note:

The information on this data sheet is based on our experience and given to the best of our knowledge, but is not legally binding. Recommendations, which are at variance with those stated in this data sheet, are only binding for us, when confirmed in writing. The manufacturer is not responsible for damages resulting from the misuse or incorrect storage of the product. For the accuracy of this information we are liable within the scope of our delivery and service conditions. Creation date: 06/2020