



PRODUCT Nº. : 3157

## **BENTONITA G.B.**

### **EXPANSIVE JOINT MADE OF BENTONITE AND BUTYLE RUBBER FOR WATERPROOFING IN CONSTRUCTION**

#### **CHARACTERISTICS:**

**BENTONITA G.B.** is a joint made of bentonite and butyl rubber used for waterproofing in construction joints.

It may be used in saline environments and contaminated water.

#### **TECHNICAL DATA:**

The joint is made of 75% natural sodium bentonite and 25% butyl rubber

- Colour: Black
- Expansion: minimum 400% of its dry volume
- Application temperature: between -15 °C and +50 °C
- Hydrostatic pressure resistance: 8 bar

#### **BEHAVIOUR:**

While the concrete is setting, small cracks may appear in joints where water could penetrate afterwards. When the product gets in contact with water it expands up to 400% its initial volume thus providing excellent waterproofing. This way, capillary cracks and holes are waterproofed in an optimal way.

#### **METHOD OF USE:**

Calculate the quantity needed according to the length of the construction joint. Keep in mind that it is advisable to attach the ends of each roll as closely as possible to provide continuity. The overlapping the ends of the joint is not always possible and we must ensure continuity joining the ends as much as possible.

**BENTONITA G.B.** works best if the following rules of application are:

- It is recommended that the concrete be dry, smooth and free of dust. Remove dust, dirt and loose particles with a brush. There should be no standing water.
- Any irregularities in the horizontal parts can be matched with a polyurethane mastic.
- Create a slit in walls or floors to be grouted.
- Clean and leave the surface free of dust, dirt.
- Unwind a certain length of **BENTONITA G.B.** and introduce it into the slot marked.
- Attach the end of a roll or strip with the beginning of the next, so that a complete continuity is obtained at the meeting. Not overlap the ends.



- Alternatively, **BENTONITA G.B.** can be fixed by nails if no cracks were generated.
- Apply and vibrate concrete so that the gasket is fully confined.
- We recommend nailing **BENTONITA G.B.** 30 cm each as an additional anchorage. Thus the tape will remain in place when concrete is extended.
- **BENTONITA G.B.** has been designed for use in concrete, and requires a minimum of 75 mm coating on all sides.

#### **SPECIAL RECOMMENDATIONS:**

- **BENTONITA G.B.** must be confined within the concrete and not applied on exposed surfaces.
- It must not be in contact with the water before its confinement.
- Keep in a cool, dry place in its original packaging.
- **BENTONITA G.B.** should only be used when fully confined within the concrete. It should not be prehydrated or remain in contact with water before being coated with concrete. If the product had expanded considerably before its confinement it must be replaced by new material.

#### **PACKAGING:**

**BENTONITA G.B.** is supplied in 5 m rolls (20 x 25 mm). The rolls are supplied in cartons containing 6 pieces.

\*\*The information contained on this sheet, as well as our recommendations, both verbal and written or by tests conducted in our laboratories or in external laboratories, are given in good faith based on our experience and results of the tests, without that serve as a guarantee. Our recommendations do not relieve the obligation to know in depth the application of product to use prior to their use and take pre-tests if there is doubt about the suitability of these for any site of application. The application, use and handling of our products are beyond our control and therefore the responsibility of that comes to putting in work. It will therefore be responsible for the person who makes use of the product without the observance of the instructions listed here .\*\*

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