

# FUGA-STOP 25x20 mm

## Hydro-expanding strip for watertight sealing of building joints.



### WARNING

FUGA-STOP should not be used:

- ◆ Without respecting all the technical indications for application.
- ◆ In cracks in concrete that have been caused by settling. It is not for repairing joints. It is for preventative use.

### FIELDS OF APPLICATION

- ◆ In construction, **working joints** are a risk for possible water leaks. The use of this hydro-expanding strip ensures that if the water leaks through one of these joints, it will end up reaching the **FUGA-STOP**, which will expand, preventing the progressive advance of the water.
- ◆ It is suitable for construction joints, cold joints, screen walls, **concrete joints**, etc.
- ◆ It can also be applied in tubes through which pipes are passed, to prevent the always foreseeable leaks between the **PVC and concrete joint**, or on steel-concrete joints.
- ◆ Can be applied horizontally as well as vertically.
- ◆ Is fully effective in water treatment plants, **car parks**, drinking water tanks, **SWIMMING POOLS**, underground works, waste water treatment plants, and in general, in all work with very high water pressure.
- ◆ It is ideal for delicate joints in tunnels, irrigation ditches, galleries, **dykes**, hydraulic works, etc.
- ◆ It can be applied in concretes that contain chemically aggressive products or **seawater**.

### TECHNICAL SPECIFICATIONS

**FUGA-STOP** is a hydro-expanding strip made of bentonite modified with butyl rubber.

This kind of joint expands when it comes into contact with water, therefore, its correct function depends on having sufficiently compacted concrete around it. To be able to develop the full force of the expansion it has when coming into contact with water, we recommend having at least 7 cm of concrete around the **FUGA-STOP**.

**FUGA-STOP** only expands in the direction from which the water arrives. In this way, the rest of the joint remains in a latent state for any future arrival of water from any side. This special characteristic of bentonite is what guarantees total, permanent watertightness over time, therefore **FUGA-STOP** is different from other joints on the market, which absorb water throughout the mass and therefore expand equally in all directions, creating unnecessary tension in the concrete and leaving the joint without the possibility to react to future leaks.

### APPLICATION

#### ◆ Support:

All supports must always be resistant, solid, free from dust and rubbish. The area need not be dry, but it must be free from puddles of water.



◆ **Application of the strip:**

- Place the strip in a continuous line in the middle of the joint, along its entire length.
- Usually you can use **MASTIC MS** or nails or screws to prevent it from moving when the concrete is added. This is also the simplest way of positioning it when installing it in vertical joints.
- **FUGA-STOP** must be stuffed in compactly with a minimum of 7 cm of concrete covering it all round.
- **FUGA-STOP** has a delayed expansion that enables it to resist 48 hours in water without expanding unduly. This means that it can tolerate the contact with new wet concrete until it has done the first setting.
- In the parts where one roll joins another, you can either simply carry on, starting the new roll where the old one ends, or overlap the ends by about 3 cm. In the case of the latter, you must ensure there will be at least 7 cm of concrete around the two strips.

**CONSUMPTION:**

This is directly proportional to the number of linear metres to be sealed, however, we recommend adding a few extra metres in case you decide to overlap the ends of the rolls.

**TECHNICAL SPECIFICATIONS**

**PRODUCT**

- Type: bentonite modified with butyl rubber
- Appearance: black elastic strip
- Measurements: 25 x 20 mm.
- Density: 1.50 g/cm<sup>3</sup>
- Toxicity or inflammability: NO
- VOC: < 0.1%

**APPLICATION**

- Temperature of application: from -15°C to + 60°C

**PERFORMANCE PROPERTIES**

- Exposure temperature: from -45° C to +120° C
- Expansion pressure: 0.82 N/mm<sup>2</sup>
- Elongation: 300%
- Maximum expansion: 300% (at 10 days after immersion)
- Resistance to hydrostatic pressure: column of water greater than 80 m.

**STORING**

- In covered, well-ventilated places, storing in its original container, making sure it is well closed: practically without limit.

**PRESENTATION**

- Is supplied in: boxes that contain 6 x 5 ml strips. (30 ml)

