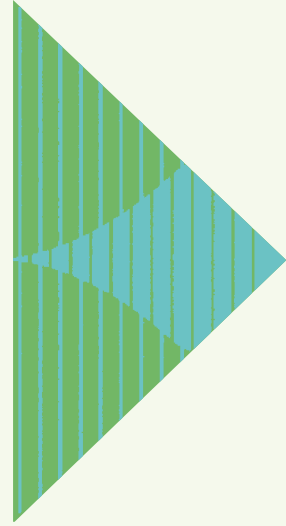


# WATERSTOP BZ 200

Tech. Sh. IMP12  
Hydroswelling LINE



## Hydrophilic bentonite strip for the sealing of construction joints in concrete also for brackish water

### Description

Hydrophilic flexible bentonite strip (75% sodium bentonite and 25% synthetic rubber) for the sealing of construction joints in concrete in contact also with brackish water (version SW). The expansive clay mass seal the hair line cracks and voids in the joint.

### Uses

WATERSTOP BZ 200 is designed for sealing confined construction joints, cold joints and working joints in concrete, around pipe penetrations, in sewer joints, against slurry walls, sheet piling in contact with water and salt water up to 30% of salt solution (version SW).

WATERSTOP BZ 200 SW is used preferably in contact with salt and brackish water.

WATERSTOP BZ 200 can be used in combination with IMPERGEN FLEX TUBE IFT for a complete guarantee in difficult installation.

WATERSTOP BZ 200 is not designed for expansion joints of the structure.

### Advantages

WATERSTOP BZ 200 is a durable permanently active system, which swells up to approximately 600% in free expansion in the water.

WATERSTOP BZ 200 SW swells more than 2 times the original volume in 10% salt solution.

WATERSTOP BZ 200 is suitable in water treatment plants, underground parking, water reservoirs, swimming pools, metro and tunneling works and other concrete structures subject to high water and sea water pressure.

WATERSTOP BZ 200 is an ecological and easy system: quick installation by means of gun nailing (better) or gluing with IDROSWELL or bentonite mastic.

The use of metal net SNET will help the installation in some case (i.e. vertical) and will protect the strip against damage during pouring of the concrete.

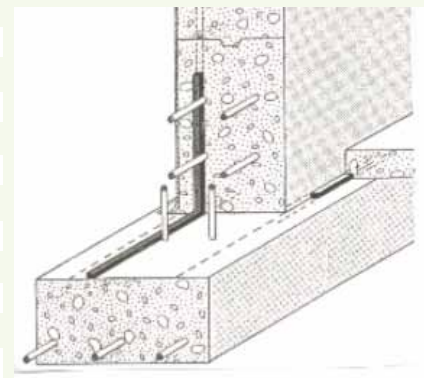
WATERSTOP BZ 200 does not create damage to the concrete due to retarding effect.

WATERSTOP BZ 200 can resist hydrostatic pressures up to 100 m of water column (version SW in 10% salt solution up to 60 m of water column).

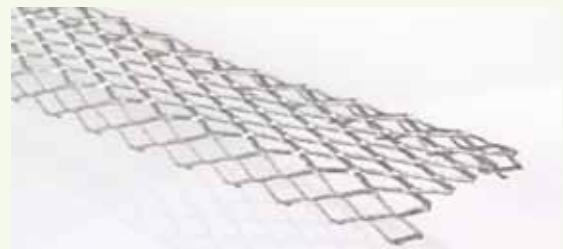
WATERSTOP BZ 200 will not dissolve in water and is non-polluting.

### Technical data

Section	25x20 mm
Density	approx. 1,4 kg/dm <sup>3</sup>
Cone penetration	35 KPa
Elongation at break	7500%
Swelling capacity in free water	up to 600%
Swelling capacity in 10% salt solution (SW)	> 2 times
Resistance to hydrostatic pressure	up to 100 m
Resistance to hydrostatic pressure of SW in 10% salt solution	up to 60 m
Installation temperatures	-15°C to 60°C
Operating temperatures	-45°C to 120°C



WATERSTOP BZ 200



SNET

## Instructions for uses

WATERSTOP BZ 200 works properly in a confined space in order to develop sufficient expansion pressure and assure waterproofing around the joint.

The expansion of WATERSTOP BZ 200 will create a certain pressure, also with retarding effect, which needs at least 50 mm both sides confinement in the concrete (installation in the middle of the joint is preferred). It is also necessary 20 mm distance from reinforcing and spacing bars.

WATERSTOP BZ 200 is preferably applied onto a smooth and dust-free concrete surface and can be applied under moist weather conditions.

Installation during heavy rain or in prolonged contact with water can result in a premature swelling of the strip, which should be avoided.

### *Substrate preparation.*

Remove dust, dirt and loose material by brushing.

In case of very rough surface, it is recommended to level with special mortar like CONCRETE ROCK V2 or bentonite mastic prior to installation of WATERSTOP BZ 200. Then fix the strip by nails. Alternatively, the strip can be glued by IDROSWELL, bentonite mastic or other adhesive RESIN for dry or wet surfaces (horizontal applications) and fixed by nail. In vertical application normally the strip is applied by SNET (optional) and nails.

### *Application.*

In horizontal applications unroll the strip in the middle of the joint, use 3-4 nails with washer per linear m of strip. The overlapping of roll ends need to be at least 50 mm and pressed firmly together. Minimum concrete cover 50 mm.

In vertical applications is normally preferable the using of metal net SNET over the strip. Fix by nails with washer.

In case of round surfaces like metal pipe penetration, fix the strip by glue or by metal wire.

## Consumption

Per linear meter of joint plus overlapping.

Levelling materials and glues depend on the roughness of the concrete.

## Packaging

Rolls in cardboard boxes. SNET in elements of 1 m. Ask to the Company for roll length and box weight.

## Storage

WATERSTOP BZ 200 would be stored in the original sealed packaging in dry and cover place at the temperature  $5^{\circ}\text{C} < T < 30^{\circ}\text{C}$ . Avoid direct sunlight. Protect from frost. Shelf life is unlimited in correct storage conditions.

*For additional information please consult the SDS or contact Company export department [info@gpintech.com](mailto:info@gpintech.com)*



### Head Office

Via Retrone,39 - 36077 Altavilla Vicentina (Vicenza) - Italy

tel +39.0444.522797- fax +39.0444.348692

[info@gpintech.com](mailto:info@gpintech.com)

[www.english.gpintech.com](http://www.english.gpintech.com)

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