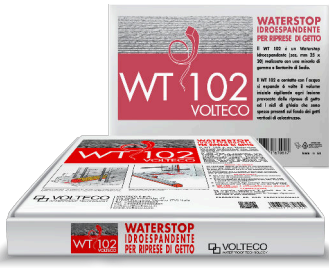




## PRODUCT DESCRIPTION

WT102 is a hydro-expansive joint based on natural Sodium Bentonite and butyl rubber that seals construction joints in reinforced concrete structures, also in the presence of strong water pressure.



## PRODUCT APPLICATION

- To seal vertical and horizontal concrete construction joints
- To seal penetrations embedded in the concrete castings

## ADVANTAGES

- High resistance to hydraulic load
- Easy and quick application
- Excellent stability and adherence to the surface
- Perfect seal of construction joints and penetrations embedded in concrete castings

**PREPARATION AND APPLICATION** Apply WT 102 on the surface, which must be previously cleaned from dust and loose parts, with the protective paper facing upwards, then remove it and fix the WT 102 with the RE.VO fastening mesh using specific RE.VO progressive-fastening nails, every 30 cm. The joints are made by placing the ends side by side, at least 5 cm, without overlapping them.

### How it works

When in contact with water, WT 102 can expand up to 6 times its initial value, thereby sealing the construction joints, even when subjected to significant water pressure, and small cavities (gravel nests), which are often found at the bottom of vertical castings.



References available at [www.volteco.com](http://www.volteco.com)

## PACKAGING AND STORAGE

WT 102 is packed in cardboard boxes containing 30 m or 10 m, complete with RE.VO mesh + nails. The products must be stored in a dry place protected from sun and humidity.

## WARNINGS - IMPORTANT NOTES

WT 102 cannot be used as a dilatation joint.  
 WT 102 must be used on walls that are thick enough to guarantee a minimum cover of 8 cm on the sides.  
 WT 102 must be placed on to the application surfaces, making sure that no material remains between the product and the surface, preventing any other situation that could cause it to be crushed or prevent regular confinement of the concrete.  
 Spacers or tie rods of the vertical casting must be placed at a minimum distance from the horizontal plane, of no less than 5÷10 cm.  
**PLEASE NOTE:** Contact the Volteco Laboratory for any preventive tests when applying the product in the presence of water with a high salt concentration.

## PHYSICAL AND TECHNICAL SPECIFICATIONS

Specification	Values
Mixture composition (in weight)	25% butyl rubber 75% Sodium Bentonite
Specific weight	1.6 g/cm <sup>3</sup>
Application temperature	-15°C +50°C
Duration	unlimited
Colour	red

Parameters subject to company Quality Control	Values
Dimensions	25x20 mm
Expansion due to contact with water (4 days)	> 270%

Parameters verified by third parties	Certifying body	Values
Expansion due to contact with water	Elletipi Srl	701%
Swelling strain in total confinement	CESI	966 kPa at 1000 hours
Swelling strain in sea water with total confinement	CESI	978 kPa at 1000 hours
Hydraulic seal on 5 mm crack with expansion of 100%	CESI	No passage up to 100 kPa

## SAFETY

Refer to the related Safety Data Sheet.

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## LEGAL NOTES

Note for buyer/installer:  
 This document prepared by Volteco S.p.A. is provided as an aid and guideline for the buyer/installer. This does not take into consideration the details of each single operational context, for which Volteco S.p.A. will not be held liable.



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## ANNEXES

