PRODUCT DESCRIPTION

WT STRIP is a waterstop tape based on AMPHIBIA copolymer in hydro-expansive EPDM, capable of sealing contact surfaces by pressure when water passes through.

Thanks to its flexibility, it can also be applied to particularly articulated products or uneven surfaces.

PRODUCT APPLICATION

• Sealing of discontinuous elements between adjoining concrete and/or steel surfaces
• Sealing of penetrations, concrete, metal and plastic pipes embedded in reinforced concrete
• Joint sealing of pipes, ducts, gullies, tanks, boxes and prefabricated concrete, fibre concrete or steel ditches
• To make gaskets between precast elements

ADVANTAGES

• High hydro-expansive stability and capacity
• Flexible and easy to be fitted for the shape and size of structures to be sealed
• Customisation and adaptability: the tape can be cut, perforated and shaped to fit any type of surface or element to be sealed, even combining several layers of tape to increase its thickness and achieve the desired seal
• Easy and fast installation, with the possibility of sealing the tapes either with adhesive or with a hot air gun at 400°C

PREPARATION AND APPLICATION

Remove possible protuberances or cavities on the laying surface; possible presence of moisture does not affect the installation procedure.
Both contact surfaces must be free of major irregularities

How it works

In contact with water the WT STRIP tape hydrates and increases its initial volume up to 2 times, thus generating pressure on the contact surfaces that prevents the passage of water.
In the event that the presence of water is not constant, WT STRIP remains stably expanded due to even the smallest moisture gradients that can be found in underground environments.

Installation

Unroll WT STRIP along the joint area to be sealed, remove the protective film and glue the tape using ULTRATACK, BI MASTIC or ULTRABOND, depending on the type of application, the conditions of the substrate and the time required (see specifications in the relevant data sheets).
In the case of through-elements, wrap the elements externally before casting with one or more beads of WT STRIP tape and bond using the chosen adhesive.

Join the end pieces of WT STRIP by precisely joining the ends and sealing them with AKTI-VO 201, ULTRATACK, BI MASTIC or by heat sealing with a hot air gun at 400 °C.

Subsequently, it is advisable to secure the tape to the pipe with pipe clamps to ensure its stability during casting and to prevent any displacement.

If it is necessary to increase the thickness of the WT STRIP tape, e.g. on pipes or in other applications where a waterproof joint is required, several layers can be applied on top of each other and bonded to the substrate in the same manner as described above.

The butt joints between layers must be staggered to ensure sealing continuity and uniformity.

WARNINGS - IMPORTANT NOTES

Protect WT STRIP from contact with stagnant water before closing the connection or making the compacting casting.

PLEASE NOTE: For installations with contaminated terrains, sea water or for special design situations, contact the Volteco Technical Service.

PACKAGING AND STORAGE

WT STRIP is available in the following formats:
WT S 30.05 is packaged in 15 m bags in 75 m box.
WT S 50.05 is packaged in 15 m bags in 45 m box.
The products must be stored in a dry place protected from sun and humidity.

PHYSICAL AND TECHNICAL SPECIFICATIONS

Specification	Values
Dimension	30x5 mm (± 10%)
	50x5 mm (± 10%)
Thickness	5 mm
Roll weight 30x5 mm	3,0 Kg ± 0,15 Kg
Roll weight 50x5 mm	4,0 Kg ± 0,20 Kg
Volumetric expansion (7 days)	> 200%

SAFETY

Refer to the related Safety Data Sheet.

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LEGAL NOTES