

WT CONSTRUCTION

Supply and installation of hydro-expansive profile based on Amphibia copolymer in EPDM rubber, reinforced in the center with a co-extruded steel mesh that stabilizes and directs the volumetric expansion.

The product must be used for:

- To seal vertical and horizontal concrete construction joints

The material must have the following characteristics:

Certification according to ETA 24/387

Specification	Values
<i>Specific weight</i>	1.02 g/cm ³
<i>Application temperature</i>	-15 °C +50 °C
<i>Colour</i>	black

Feature	Test method	Result/Classification
<i>Reaction to fire</i>	EN ISO 11925-2 EN 13501-1	Class E
<i>Dimensions</i> WT C 20.10 WT C 25.15	EAD 2.2.2	20x10 mm (± 10%) 25x15 mm (± 10%)
<i>Impermeability under end-use conditions</i>	EAD 2.2.3	20 m water column / waterproof up to 5 bar
<i>Swelling pressure</i> WT C 20.10 WT C 25.15	EAD 2.2.6	1,2 N/mm ² 1,4 N/mm ²
<i>Expansion in saline water (3%)</i>		> 100%
<i>Hydraulic seal on 5 mm crack with expansion of 100%</i>		No passage up to 150 kPa

Feature	Test method	Test liquid	Time until constant mass is achieved	Change in mass
<i>Expansion in contact with different liquids</i>	EAD 2.2.4	Deionised water Alkaline solution Acid solution	25 d 14 d 24 d	1004 % 455 % 474 %
First expansion cycle <i>Reversibility of the expansion process</i>	EAD 2.2.5	Deionised water Alkaline solution Acid solution	16 d 16 d 23 d	1794 % 479 % 503 %
Second expansion cycle <i>Reversibility of the expansion process</i>	EAD 2.2.5	Deionised water Alkaline solution Acid solution	14 d 14 d 21 d	1855 % 419 % 436 %

- the expansion process is reversible
- the expansion process begins immediately

as well as Wt Construction Volteco or a product with equal or superior characteristics.

The technical data must be supported by test certification issued by an accredited official laboratory and / or be subjected to quality control according to ISO 9001.

The product must have the CE marking and be used according to the manufacturer's prescriptions.

For further details on the individual products and installation specifications, refer to the relevant technical data sheets which can be downloaded in the updated version on the website www.volteco.com.