

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
Specific weight	1.02 g/cm ³
Application temperature	-15 °C +50 °C
Colour	black

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

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

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Specification	Declared performance
Colour	black
Specific weight	1.02 g/cm ³
Application temperature	-15 °C + 50 °C
Dimension	25 x 5 mm
Expansion in mains water (%)	> 500%
Expansion in saline water (3%)	> 100%

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.

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.