

# AMPHIBIA 3000 GRIP

Supply and installation of an EPDM PRE/POST-APPLIED waterproofing membrane, water-reactive, SELF-REPAIRING, SELF-SEALING and SELF-FASTENING to the concrete.

The membrane must be composed of a continuous coextruded multilayer polymeric mantle, with differentiated functionality for a total watertight seal of the underground structures from water infiltrations.

The product must be used for:

- Waterproofing and protection of concrete underground structures such as residential and industrial buildings, shopping malls, public works etc...which require close and continuous contact between waterproofing product and structure (foundation slabs and walls, against slurry walls, piling or disposable formwork, internal tanking of existing structures). It can also be used in other structures such as channels, tanks, purification systems, tunnels, etc...
- Anti-damp protection for concrete structures built at ground level such as underfloor screeds

The material must have the following characteristics:

EC Certification according to EN 13967

Specification	Test method	Values AMPHIBIA 3000 GRIP
Mass per unit area	UNI EN 1849-2	1.6 ± 0.2 kg/m <sup>2</sup>
Thickness	UNI EN 1849-2	1,6 ± 0,2 mm * 1,4 mm membrane only
Water tightness	UNI EN 1928 B (700 kPa/24 hrs)	No passage
Water vapour permeability	UNI EN 1931	Sd: 412 m Flow: 1.12 E-9 (kg/m <sup>2</sup> )*s
Shear resistance of joints with BI MASTIC	UNI EN 12317-2	472 N
Resistance to lateral water migration	DIN EN 12390-8	700 kPa
Overlap resistance to hydrostatic pressure	ASTM D5385	700 kPa
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Radon diffusion coefficient	ISO/TS 11665-13	Membrane: 2,7 E-11 m <sup>2</sup> /s Overlap with Bi Mastic: 3,0 E-11 m <sup>2</sup> /s Overlap with Bi Mastic + Amphibia Lap Seal: 2,8 E-11 m <sup>2</sup> /s
Methane transmission rate	ISO 15105-1	Membrane: 348 ml/m <sup>2</sup> x d Overlap with Bi Mastic + Amphibia Lap Seal: 394 ml/m <sup>2</sup> x d
Resistance to root penetration	EN 14416	Test Passed
<b>National approvals</b>	<b>Certificate</b>	
BBA Technical approval for construction	BBA Agrément Certificate 20/5771 of 16/07/2020	
Environmental Product Declaration 0298 (EPD)	EPDItaly 0298 (30/05/2027) www.epditaly.it	
Rapport d'enquête technique (FR)	SOCOTEC FRANCE S.A. Report (ETN) n° 220268080000023 (15/03/2023)	

as well as Amphibia 3000 Grip 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](http://www.volteco.com).