

# AMPHIBIA 3000 GRIP

Supply and installation of an EPDM PRE-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, piles, Berlinese 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
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: 3.5 E-11 m <sup>2</sup> /s Overlap: 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: 394 ml/m <sup>2</sup> x d
Resistance to root penetration	EN 14416	Test Passed
National approvals	Certificate	
BBA Technical approval for construction	BBA Agrément Certificate 20/5771 of 03/02/2022	

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.

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).