

AQUASCUD 501

Supply and installation of solvent-free, ready-to-use, cold-cured, elastic, waterproofing coating based on acrylic resins in water emulsion.

The product shall be characterized by high resistance to foot traffic and shall be applied in two cross coats, 12 hours apart, using a total consumption of 1.5 to 2.0 kg/m², depending on the type and porosity of the substrate.

The material must have the following characteristics:
Certification according to EN 11928 Standard

Initial requirements UNI 11928-1:2023

Feature	Test method	Performance requirements	Declared performance
Reaction to fire	UNI EN 13501-1	Declared Euroclass	Euroclass E
Watertightness (water passage with 60 KPa)	UNI EN 1928	No passage	No passage
Water vapour transmission properties	UNI EN ISO 7783	Class	Class I
Direct tensile adhesion, concrete type MC (0.40)	UNI EN 1542	$\geq 0.5 \text{ N/mm}^2$	$\geq 1,0 \text{ N/mm}^2$
Impact resistance	UNI EN 6272-1	Class	Class III
Static punching	UNI EN 12730	Maximum value > 50 N	$\geq 50 \text{ N}$
Dynamic crack bridging (23 °C)	UNI EN 1062-7	Class B2	Class B4.1
Dynamic crack bridging at low temperatures (-10 °C)	UNI EN 1062-7	Class B1	Class B2
Slipping resistance	UNI EN 13036-4	Class	Class II
Capillary absorption	UNI EN 1062-1	$W \leq 0.1 \text{ Kg/m}^2\text{h}^{-0.5}$	$W \leq 0.1 \text{ Kg/m}^2\text{h}^{-0.5}$

Durability UNI 11928-1:2023

Feature	Test method	Performance requirements	Declared performance
Heat ageing resistance 7 days at 70±3 °C (Watertightness)	point 4.1 of EN 1062-11:2003	No passage	No passage
Acceptance criteria after exposure	UNI EN ISO 4628-2 UNI EN ISO 4628-4 UNI EN ISO 4628-5	No swelling No cracking No spalling	No swelling No cracking No spalling
Frost/thaw Without thawing salts 20 cycles (Adhesion to substrate)	UNI EN 13687-3	$\geq 0.5 \text{ N/mm}^2$	$\geq 1,0 \text{ N/mm}^2$
Acceptance criteria after exposure	UNI EN ISO 4628-2 UNI EN ISO 4628-4 UNI EN ISO 4628-5	No swelling No cracking No spalling	No swelling No cracking No spalling
UV (400 MJ/m ² , 2460 hours) and Spray (492 hours)	UNI EN ISO 4892-3		
Acceptance criteria after exposure	UNI EN ISO 4628-2 UNI EN ISO 4628-4 UNI EN ISO 4628-5	No swelling No cracking No spalling	No swelling No cracking No spalling
Hazardous substances			See safety data sheets

*Values recorded at a temperature of 23°C and a humidity of 50%. The data expressed may vary depending on the thickness of the product applied and specific site conditions: temperature, humidity, ventilation, substrate absorbency.

Feature	Test method	Category	Certified performance (**)
Resistance to static indentation	EOTA TR 007	Load: P4	Level L4 (with load category P4)
Resistance to dynamic indentation	EOTA TR 006	Punch: I4	Level L4

as well as Aquascud 501 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.