

AQUASCUD REFLEX

Supply and installation of solvent-free, ready-to-use, cold-cured, elastic, waterproofing coating based on acrylic resins in water emulsion, ready to use and applied cold, this glossy off-white coating is characterised by high solar reflectance (Solar Reflectance Index - SRI) and is classified as BROOF(t2) for external fire behaviour in accordance with standard EN 13501-5.

The product shall be used and applied in two cross coats, 12 hours apart, at a total application rate of 1.6 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

CE certification in accordance with the UNI EN 13501-5 Broof (T2) 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	≥ 0.5 N/mm ²	≥ 1,0 N/mm ²
Impact resistance	UNI EN 6272-1	Class	Class III
Static punching	UNI EN 12730	Maximum value > 50 N	≥ 50 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 III
Capillary absorption	UNI EN 1062-1	$W \leq 0.1 \text{ Kg/m}^2 \cdot \text{h}^{-0.5}$	$W \leq 0.1 \text{ Kg/m}^2 \cdot \text{h}^{-0.5}$

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	≥ 0.5 N/mm ²	≥ 1,0 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

The quoted data are obtained in a laboratory at +20 °C and 60% RH.

Feature	Test method	Certified performance (**)
Solar Reflectance Index (SRI)	ASTM E 1980-11	98,7

Feature	Test method	Classification method	Certified performance (**)
Fire resistance classification	UNI CEN/TS 1187:2012 -Test 2	UNI EN 13501-5:2016	BROOF(t2)

as well as Aquascud Reflex 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.