

PAINT PROTECTION

Supply and installation of protective paint based on acrylic resins in water emulsion with excellent resistance to water and aggressive atmospheric agents, good breathability, and effective anti-carbonation action, capable of neutralizing corrosion phenomena of the reinforcements.

The paint must be applied in a double coat with a thickness of at least 250-300 microns depending on the roughness of the substrate.

The product must be used for:

- Waterproof protection for hydraulic binders-based plasters, even if microcracked
- Waterproof and anti-carbonation protection for reinforced concrete structures, even if minor deformations are present, such as walls, parapets, risers of balconies and concrete structures in general cast on site or prefabricated
- Waterproof protection for thermal insulation systems
- Protective and decorative coating on Cp1, Cp0 and repair mortars in general

The material must have the following characteristics:
EC Certification according to EN 1504-2:2005

Specification	Test method	Values
Bond strength	UNI EN 1542	3,11 MPa
Thermal compatibility - Un/freezing cycles with immersion in de-icing salt	UNI EN 13687-1	3,44 MPa
Resistance to accelerated ageing	UNI EN 1062-11	fulfilled requisite
Capillary absorption	UNI EN 1062-3	$\leq 0.03 \text{ kg} \cdot \text{m}^{-2} \cdot \text{h}^{-0.5}$
Water vapour permeability (equivalent thickness: Sd)	UNI EN 7783-2	Sd = 0.28 m
Permeability to CO ₂ (equivalent thickness Sd)	UNI EN 1062-6	Sd = 254 m
Crack Bridging Ability	UNI EN 1062-7 (static method)	Class A2 > 0.25 mm

as well as Paint Protection 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.