

# Protech WAC

## Anti-carbonation acrylic paint, for concrete products



Anti-carbonation, protective, decorative paint, pigmented for whitewashing concrete surfaces; based on acrylic resins in aqueous emulsion, it forms a film that is impermeable to water, with very low permeability to carbon dioxide but high vapour permeability, anchored by specific adherence and diffusion. Perfect for protective coatings of infrastructure projects in concrete.

**CUSTOMS CODE:** 3209 1000

**COMPONENTS:** Single-component

**APPEARANCE:** Thick liquid

**AVAILABLE COLORS:** Request available colors

**PACKAGING AND DIMENSIONS:** Pail 22 kg

## OBTAINED CERTIFICATIONS AND REGULATIONS



## FIELDS OF APPLICATION

Painting of protective, decorative and anti-carbonation finish, for walls, façades, concrete products, plaster, masonry, natural stones, porous supports in general. Specific for painting industrial works and infrastructure artefacts: bridges, viaducts, large prefabricated, etc.

## ALLOWED SUPPORTS

Plasters - Concrete - Cement-based or lime-based mortars - Prefabricated concrete - Fiber-cement - Rock walls

## PREPARATION OF SUPPORTS

The surfaces of application should be clean, free of any soiling, crumbling and non-adhering parts, or non-absorbent, dust, pre-existing paints, etc. Degraded or uneven surfaces should be reclaimed with products of the family REPAR or with adhesive cement mortars packaged in situ, based on Bond HG and polypropylene fibres Readymesh PM-180. Despite it is a good habit to apply an acrylic paint after preliminary treatment of the surfaces with the suitable reinforcing fixative Protech Fix AC, in the case of Protech WAC this operation is not strictly necessary.

## MODE OF USE

Apply the product in 2 coats, with a brush, roller or spray, diluting it with water according to the following dosages (% in weight): - roller or brush = 10% - spray = 15%-25% Overcoat only after drying of the previous coat.

## APPLICATION METHODS

Brush - Paint roller - Sprayer - Low pressure airless nebulizer

## TOOL CLEANING

Water

## KEY FEATURES



Density: 1.5 kg/dm<sup>3</sup>



Shelf-life: 12 months



Temperature of use: + 5 / + 35 °C



UV-resistant



Nonflammable



Solvent-free



To be applied in two coats

## TECHNICAL SPECIFICATIONS

EN ISO 11358

**22.3 %**

EN ISO 7783-1

Degree of water vapor transmission **0.1959 m**

a 20°C

Complete hardening at 20°C **6-8 h**

UNI EN 1542

**> 0.8 MPa**

a 20°C

Touch hardening at 20°C **1-2 h**

UNI EN 1062-1:2005

**50 µm**

UNI EN ISO 3251:2008

Determination of volatile matter (VOC) **10.95 g/l**

EN ISO 11358

**50 %**

Sd CO<sub>2</sub> UNI EN 1062-6:2003

Permeability to CO<sub>2</sub> **740 m**

UNI EN ISO 2811-1:2011

**1.556 kg/dm<sup>3</sup>**

EN ISO 11358

**27.7 %**

UNI EN 1062-3

**0.012**

## CONSUMPTION

Apply from 0.25 to 0.35 kg of Protech WAC per square metre of surface to be painted.

## STORAGE AND CONSERVATION

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity.



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## PHOTO GALLERY



## ADDITIONAL CONTENT



## WARNINGS AND PRECAUTIONS

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge. Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

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