



PRT.0329

PROTECH AC-I

High-performance acrylic plaster
for interiors and exteriors

Customs Code

3214 9000

Packaging

- Pail 5 kg
- Pail 25 kg

Application

- Finishing trowel
- Sponge float
- Spatula

Family
Protech

Product Lines
• **Building**

Components
Single-component

Type
Acrylic fixatives, paints and plasters

Functional Categories
• **Protective coating (plasters)**

Appearance
Paste

Certifications and legislations



EN 15824

Specifications for organic binder based interior and exterior plasters

General description

Continuous plastic coating for interiors and exteriors, of high quality and easy to apply, based on unalterable high coverage pigments, siliceous aggregates and marble grit with controlled granulometry dispersed in a binder based on acrylic resin in aqueous emulsion.

General features

COLOUR: colours on request from Azichem colour chart

DRYING TIME: 24-48 hours (Data referred to 20°C and 65% of RH)

The complete cross-linking in depth of a coating depends strictly on the environment humidity and temperature conditions. This cross-linking can be prolonged up to 2/6 months in unfavourable situations such as temperatures below + 8°C, excessive atmospheric humidity, night condensation, fog, etc. Difficult situations are also to be considered applications that have taken place in particular construction sites, such as for example houses without gutters, north-facing walls, etc.

A/c Paint for exterior walls of mineral substrate. BA. EU VOC limit value (Directive 2004/42/EU) for this product (Cat. A/c): 75 g/l (2007); 40 g/l (2010). This product contains a maximum of 25 g/l of VOC.

Dosage

Indicative consumption depending on the different particle sizes of PROTECH AC-I available:

1 mm GRAIN: 1.6 -2.0 kg/m²;

1.2/1.5 mm GRAIN: 2.1 -2.5 kg/m²;

2 mm GRAIN: 2.5 -3.2 kg/m²;

2.2 mm GRAIN: 3.0 -3.6 kg/m².

The indicated yields refer to smooth supports and are for guidance only. Actual consumption must be identified with a suitable practical test.

Fields of application

Medium-thick protective and decorative plastic coating, resistant to impacts, to stressful climatic cycles, impermeable to atmospheric water, having, in any case, water vapour permeability. Elasticity and hardness are coupled in maximum degree with a wide choice of colours not alterable over time; characteristics that, combined with the ease and practicality of application, make the product extremely multi-functional, adaptable to any project requirement. Recommended as a finish in "cladding" insulation systems, as it helps to increase the thermo-acoustic coefficient.

Basic features



Shelf-life:
12 months



Temperature of use:
+5/+35 °C



To be applied in two coats



Use wearing protective glasses



Use wearing protective gloves



Available colours
Request available colors



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Technical specifications

Coefficient of permeability UNI EN 1062-3: 0.079 kg/(m² • h^{0.5})

Thermal conductivity UNI EN 1745: 0.93 W/m*K

Tools cleansing

- Water

Applicable on

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

Substrate preparation

The surfaces of application will be adequately prepared: dry, free from fouling, powder, crumbling parts, incoherent, pre-existing synthetic paints etc.

NEW SUPPORTS: Apply a coat of PROTECH FIX AC water-based acrylic fixative.

OLD SUPPORTS: Remove old paint by vigorous brushing; fill in any holes or imperfections in the wall with a special FIBROSTUCK filler; proceed with the application of the water-based acrylic primer PROTECH FIX AC.

Instructions for use

Mix the product vigorously, apply a coating layer with a stainless steel trowel of a thickness equal to that of the granules it contains. Pass again with a cutting spatula to remove any excess material. After light drying, pass over with a plastic trowel with rotary movements to compact, even out and achieve the full plaster effect. On large surfaces, it is recommended to apply the product of the same lot and proceed always wet on wet to avoid signs of resumption.

Storage and preservation

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. Store the product at a temperature between +5°C and +35°C.



Warnings, Precautions and Ecology

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.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.

It is forbidden to dispose of the product and/or packaging in the environment.

Never operate at temperatures below + 5°C. Rainy weather, excessive atmospheric humidity and temperatures below + 8°C, can considerably compromise drying with the possibility of rainwater washout even after several days. In these situations, it is advisable to protect the facades from unpredictable showers, in order not to jeopardize the success of the work. For storage store in tightly closed containers and protect from frost.

PROTECH AC-I is produced/distributed by



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