

Alcagrit AS

Description

Acrylic-siloxane outdoor protective and decorative plastic coating, fibre-reinforced, with an "intonachino" effect (i.e. gritty top-coat render). Developed with high-technology raw materials, it provides excellent protection to the substrate onto which it is applied (due to its anti-mould and anti-algae action), waterproofing the masonry and uniforming the morphology thanks to its high filling power. Moreover, the siloxane emulsion provides better breathability compared to a standard plastic coating.

The balanced particle size distribution and the content in fibres give the product a pleasant compact aesthetical appearance typical of the finished work and an extreme ease of application, together with a higher yield compared to similar products.

The siloxane component also allows to obtain better breathability compared to similar products of pure acrylic nature.

Available in the following variants:

G.F. *grana fine* (fine grit, particle size 0,5-1,0 mm)

G.M. *grana media* (medium grit, particle size 0,7-1,2 mm)

G.G. *grana grossa* (coarse grit, particle size 1,0-1,5 mm)

Uses

Suitable for outdoor and indoor applications, on top-coat renders/plasters, concrete, prefabricated structures, masonry, tuff and surfaces coated with firmly-adhering old paints.

Surface preparation

The substrate must be perfectly dry, seasoned (at least 28 days for new cement-based plasters, 90 days for lime-based ones), levelled, smooth and finely finished, free from friable and oily residues, saline efflorescences, plant formations, bacterial colonies.

Smooth and new substrates: brush, dust until all impurities are removed, prime with 1 coat of SILOPAINT FISSATIVO diluted as per Technical Data Sheet instructions.

Apply 1 coat of colour-matched undercoat ISOLCOPREX EXTERIOR.

Old and chalking substrates: brush, dust until all flaking parts are removed, then prime with SILOPAINT FISSATIVO appropriately diluted depending on substrate absorption.

Apply 1 coat of colour-matched undercoat ISOLCOPREX EXTERIOR.

NB In case of particularly chalking substrates, or treated with plasters and/or skim-coats, before applying the finish coats wait for complete seasoning (15-30 days in ideal environmental conditions), then prime with SOLVEX appropriately diluted.

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Application

It would be preferable to apply the product with a plastic finishing trowel (for its capacity to evenly distribute the product), although a stainless-steel finishing trowel can be alternatively used. The product is to be uniformly spread, the contained grit serving as a guide for thickness. If a uniform finish is not obtained, it is possible to homogenize the distribution of the grit by lightly and circularly pressing with a finishing trowel onto the product as it starts settling.

Apply at temperatures between 5°C and 30°C. Do not apply on ice-cold substrates, nor exposed to sun, in presence of strong wind, in imminence of rain or in environments with high relative humidity. After the application, the treated surface must be protected from possible rain for 48 hours. Mix slowly with an electric mixer before use.

Additional advice

On wide surfaces, ensure to employ ALCAGRIT from a single lot number in order to avoid colour variations between production batches. Should this be unfeasible, arrange so as to employ a single lot at least for each façade, discontinuing on corners.

In order to prevent colour differences, ensure to spread evenly, avoiding product excess that could be visible as a patch of a lighter colour compared with the rest of the surface.

On wide surfaces, string courses should be set in order to separate portions plastered by different operators.

For applications on external wall insulation systems, planning/material validation should take in due account that actual operating conditions be far from the dew point, in order to prevent premature decaying.

Dilution

Ready to use.

Cleaning tools

With water immediately after use.

Storage

24 months in sealed container, away from sources of heat, in a cool and ventilated place, protected from frost.

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Technical data

PRODUCT	Gritty acrylic-siloxane coating
SPECIFIC WEIGHT	1,550 ± 0,050 kg/l
VISCOSITY	Viscous spreadable paste
pH	8-9
COLOUR	White, <i>palette</i> tones
RECOMMENDED THICKNESS	1-2 mm (dry)
RECOMMENDED COATS	1 coat
APPLICATION METHOD	Plastic or stainless-steel finishing trowel
THEORETICAL YIELD	ca. 1,0 kg/m ² (1 coat) for <i>fine grit</i> (0,5-1,0 mm) ca. 1,5 kg/m ² (1 coat) for <i>medium grit</i> (0,7-1,2 mm) ca. 2,0 kg/m ² (1 coat) for <i>coarse grit</i> (1,0-1,5 mm)
LIQUID WATER PERMEABILITY UNI EN 1062-3	W=0,019 kg/(m ² ·h ^{0,5}) Class W ₃ (low permeability)
WATER VAPOUR TRANSMISSION UNI EN ISO 7783	Sd=1,1723 m Thickness=1,76 mm μ=666 Class V ₂ - low permeability
BOND STRENGTH BY PULL-OFF UNI EN 1542	f _h =0,5 MPa
THERMAL CONDUCTIVITY UNI EN 1745	λ ₁₀ , dry = 0,82 W/m·K (P=50%) λ ₁₀ , dry = 0,89 W/m·K (P=90%)
TOUCH-DRY (23°C)	3-4 hours
DEEP-DRY (23°C)	24 hours

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The aforementioned technical notions regarding the application and correct use of the product do not imply liability of Alcas Italia S.r.l. for use and application of the products themselves. Due to the unpredictable variability of application conditions, the USER must verify with direct tests the suitability of the product for each peculiar use. We reserve the right to modify the content of this document, without notification. As soon as a new version of these technical data sheet becomes available, this one won't be valid any longer.

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