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Archi+ Argilla

Mineral plaster coat in powder for interiors and exteriors, formulated with natural clay



ARCHI+ ARGILLA - V.2025-04-10

PRODUCT DESCRIPTION

Archi+ Argilla is a powdered mineral wall coating for interior and exterior use, based on clay, aerial lime, carefully selected aggregates and rheological modifiers to ensure excellent workability.

Archi+ Argilla for interiors can be protected with finishes that provide an aesthetic softness, reduce surface absorption, and offer protection against accidental contact with water, depending on the type of protective used.

Archi+ Argilla for exteriors should not be covered with protectives but evolves over time, developing a natural patina that enhances the beauty of the surfaces, creating a lived-in and authentic effect. Exposure to atmospheric agents can slightly alter the color, giving the product character and charm.

USES

Archi+ Argilla can be applied to:

New and old plasters based on hydraulic binders.

Gypsum and gypsumboard surfaces

Old paints and coatings of organic or mineral nature, dry, compact absorbent and cohesive.

Conglomerates of various minerals as long as they are absorbent.

IDENTIFICATION FEATURES

Nature of binder: air lime

Appearance: powder

Maximum aggregate grain size: 1.8 mm

Mixture life: about 120 minutes at 25° C, RH=60%.

Indoor Air Quality classification: A+

Certification Eurofins Indoor Air Comfort Gold

Fire reaction EN 13501-1: Class A2 s1 d0, referred to consumption not exceeding that indicated and application on a non-combustible surface.

Permeability to liquid water UNI EN 1062-3: average, $w \leq 0.20 \text{ kg/m}^2\text{h}^{0.5}$

Permeability to water vapour UNI EN ISO 7783-2: high $S_d < 0.10 \text{ m}$

Drying (at 25 °C and 65% R.H.): to the touch, approx. 2-3 hours; can be

overpainted after approx. 24 hours (depending on the thickness applied).

MIXTURE PREPARATION

Use 4.5 - 5.5 l of clean water for each 15 kg bag of **Archi+ Argilla**.
Slowly pour **Archi+ Argilla** into the water and use a mechanical stirrer at low speed, to stir.
The mixture obtained must provide a uniform, thixotropic and lump-free mix.
Mixing cannot be carried out manually.
Allow to stand for 5-10 minutes before application.

COLORATION

Weigh the necessary water for the preparation of the mortar in a large and clean container.
Dispense the selected dye mixture into the container.
Disperse the dyes in the water by manual stirring. The dye must be pre-dispersed on the mixing water.
Slowly pour **Archi+ Clay** into the water and mix with a low-speed mechanical stirrer, without forming lumps.
Let it rest for 5-10 minutes before application.

WARNINGS

The mixing water must be dosed and kept constant for subsequent product colorations.
Changing production batches may result in different final colours.
Stirring times must be kept constant.
Do not use the product beyond the pot-life, even if the mixture viscosity allows it.
During application, do not add water to reduce viscosity.
Do not apply onto damp substrates, or if there is rising damp.

SUBSTRATE PREPARATION

(Referred to environmental conditions T=25° C, RH=60%)
The surface must be completely smooth, dry and free of dust, and of humidity-salt stains.
Remove any traces of release agent.
Remove (mechanically with hand tools or with high-pressure hydro washing) the degraded or detaching parts, dirt residues.
Protect the exposed reinforcement rods and refill hollows with appropriate non-shrinking mortars. Before application, wait for the backgrounds to dry fully.
One or two coats of **Archi+ Fondo** (base coat plaster) can be applied to prepare the background.
Once the background is dry and compact, use a brush to apply one diluted coat of Decofix (micronized wall fixative).
For consistent, non-flaking backgrounds, as an alternative, use a brush to apply a coat of diluted Novaprimer (water-based pigmented acrylic fixative).
Wait for the background to dry fully, then use a stainless steel trowel to apply a layer of **Archi+ Argilla**. Work on the surface while it is still wet, depending on the desired aesthetic effect.
For aesthetic or building-site requirements, it is possible to apply a second layer of **Archi+ Argilla**, following the methods described above.

PREPARATION AND DILUTION OF THE PROTECTIVES

INDOOR SURFACE PROTECTION

Before applying the protective coatings on **Archi+ Argilla**, you must wait for the surface to dry completely. Under normal conditions, this is in 48 hours after application of the last coat.

Non-filmogenic protection with Cera Wax Plus:

the application of **Cera Wax Plus** gives the treated surface smoothness, a reduction in surface absorption, and a mild protection against accidental contact with water.

Use a glove or a sponge trowel to apply a undiluted first coat of **Cera Wax Plus**, taking care to saturate the pores of the background by distributing the product evenly over the entire surface.

Wait for the surface to dry completely, then use a sponge to apply a second undiluted coat of **Cera Wax Plus**. When the treated surface is dry to the touch, polish with a cloth. Polishing can be done manually with a cloth or with a roto-orbital sander equipped with a suitable wool cover. For construction-site requirements it is possible to apply further coats of **Cera Wax Plus**, following the methods described above.

Drying time: to the touch in about 30 minutes, complete in 4 hours depending on the type of background, its absorption rate, and environmental conditions. Optimum performance is normally obtained 24-48 hours after application of the last coat.

Non-filmogenic protection with Nova Wall_Care:

we recommend for all contexts where good resistance to water and multiple water- and oil-soluble substances is required.

This can be achieved by applying two or more coats of **Nova_Wall Care** (water-repellent beeswax), which protects the surface without altering its appearance. It is the classic solution for this type of finish.

Use a brush to apply a first diluted coat of **Nova_Wall Care**, taking care to saturate the pores of the background, and distributing the product evenly over the entire surface.

Wait for the surface to dry completely, then use a sponge to apply a second undiluted of **Nova_Wall Care**. When the treated surface is dry to the touch, polish with a cloth. Polishing can be done manually with a cloth or with a roto-orbital sander equipped with a suitable wool cover. For construction-site requirements, it is possible to apply further layers of **Nova_Wall Care** can be applied, following the methods described above.

Drying time: to the touch in about 30 minutes, complete in 4 hours depending on the type of background, its absorption rate, and environmental conditions. Optimum performance is normally obtained 48-72 hours after application of the last coat.

The application of non-film-forming protections creates a very thin protective barrier suitable for the protection of vertical surfaces.

The application of a thick layer of protective waxes can generate aesthetic anomalies.

Filmogenic protection:

As a primer use Mineral Sealer: homogenize Mineral Sealer A to remove any sedimentations. Pour Mineral Sealer B into Mineral Sealer A and hand-stir for about 45-60 seconds. Alternatively, you can use a mechanical mixer with a propeller, slow stirring for about 1 minute.

The mixture obtained must be free of lumps, any unmixed portions of the two components, and any impurities. Allow to stand for 5-10 minutes before application.

Catalysis ratio: 10 parts of component A + 7 parts of component B.

Dilute the mixture obtained (0.5 l component A + 0.350 l component B) by adding 2.5 l of water.

Mixture lifetime: about 60 minutes, do not add more water to extend the life of

the mixture.

For final protection, **Clear Finish** and **Clear Finish Countertop Protection** are recommended in the desired level of gloss.

Consult the relevant technical data sheets before use.

OUTDOOR SURFACE PROTECTION

Not provided.

Archi+ Argilla outdoors creates a natural patina that enhances the beauty of the surfaces, creating a lived-in and authentic effect. Exposure to atmospheric agents can slightly alter the color, giving the product character and charm.

RECOMMENDATION

When applying, the material must be protected from the cold and from big heat changes during the entire application process.

As drying and carbonation are strongly influenced by temperature and humidity conditions, it is recommended to apply the product at air and substrate temperatures between +10°C and +35°C and ambient relative humidity <75%, substrate humidity must be <10%.

Avoid applications under direct sunlight.

Exposure to atmospheric agents, rain, high humidity, low ambient temperature, of surfaces treated with mineral finishes may generate phenomena of bleaching of the finish during the carbonation process.

This phenomenon may be irreversible.

After application, outdoor surfaces must be protected from rain and humidity until the product is completely dry, which normally occurs after about 48/72 hours.

In order not to compromise the optimal appearance and performance of the product, we recommend applying it in the above-mentioned ambient conditions.

We recommend finishing each job with materials from the same production batch.

For the correct use of the above materials, and for dilution and laying, please carefully read the technical data sheet.

The correct use of equipment and personal protective equipment (PPE) is recommended during all phases of background and product preparation, and of application).

CLEANING OF TOOLS

With water, immediately after use.

YIELD

1.8-2.2 kg/m², for each coat depending on the type of background and its absorption rate. We recommend checking actual yield by making a preliminary test on the specific background.

COLORS

White and **Archi+ Argilla** colour chart.

PACKAGING

15 kg bags

STORAGE LIFE CONDITIONS

The material has a shelf-life in the original well-sealed bag of about 12 months provided it is stored in a covered warehouse at a temperature between +5°C and +35°C.

SECURITY PROCEDURES

Irritating to respiratory system and skin / Risk of serious eye damage / May cause sensitization by skin contact / Keep out of reach of children / Do not breathe dust / Avoid contact with skin and eyes / In case of contact with eyes, rinse immediately with plenty of water and seek medical advice / Wear suitable protective clothing, gloves and eye/face protection / If swallowed, seek medical advice immediately and show this container or label.

The product must be transported, used and stored according to current hygiene and safety regulations; allow residues dry completely and dispose of them with special waste.

For further information, see safety data sheet.