

Archi+ Argilla

Powdered, clay-based wall coating for interiors and exteriors.

PRODUCT DESCRIPTION

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

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.

TECHNICAL FEATURES

Nature of binder: aerial 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

Archi+ Argilla: 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.

PREPARATION AND DILUTION OF PROTECTIVE COATINGS

Non-filmogenic protection:

Cera Wax Plus: ready to use, dilution max. 10% with water

Nova_Wall Care: dilute the first coat with 15% water

COLOURING

Weigh the water required to prepare the mortar in a clean, large container.

Dispense the selected colouring mixture into the container.

Disperse the colourants in the water by mixing manually. The colourant must be previously dissolved in the mix water.

Slowly pour Archi+ Argilla into the water and mix, with a mechanical stirrer at low speed, without forming lumps.

Allow to stand for 5-10 minutes before application.

PRECAUTIONS

The mixing water must be dosed and kept constant for the subsequent colouring of the product.

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.

BACKGROUND PREPARATION, AND APPLICATION

(Referred to environmental conditions $T=25^\circ \text{C}$, $RH=60\%$)

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.

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 diluted 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.

Filmogenic protection:

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.

Clear Finish Countertop Protection/Ultra Matt: homogenize **Clear Finish Countertop Protection A - Clear Finish Countertop Protection Ultra Matt A** from any sedimentations.

Pour **component B** into **component A** and mix by hand or with a drill mixer fitted with a propeller and slow-mix for about 1 minute. The mixture obtained must be free of lumps, any unmixed portions of the two components, and any impurities.

Clear Finish Countertop Protection catalysis ratio by weight: **10 parts** of component A + **3 parts** of component B.

Clear Finish Countertop Protection Ultra Matt catalysis ratio by weight: **12 parts** of component A + **3 parts** of component B.

Dilute the mixture by adding maximum 10-15% of water.

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

RECOMMENDATIONS

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)

EQUIPMENT CLEANING:

With water, immediately after use.

YIELD

Archi+ Argilla (referred to the powder): 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.

COLOURS

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

PACKAGING

Archi+ Argilla 15 kg bags

STORAGE LIFE CONDITIONS

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

SAFETY RECOMMENDATIONS

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.

The SAN MARCO GROUP guarantees that the information in this data sheet is given to the best of our experience and technical and scientific knowledge. However, because application conditions are beyond our control, we cannot assume responsibility for the results obtained from its use. We recommend always checking the actual suitability of the product to each individual case. This sheet cancels and replaces all previous ones.