

# Archi+ Pietra

Lime-based powder coating for interiors, based on hydraulic lime with stone effect

## GENERAL FEATURES

**Archi+ Pietra** is a mineral plaster coat in powder for interiors. It is made of natural hydraulic lime NHL 3,5 (EN 459-1), aerial lime, specific aggregates and rheological modifiers carefully selected to ensure an excellent workability.

The particular formulation allows the attainment of top quality finishes.

For the protection of the surfaces decorated with **Archi+ Pietra**, two different solutions are available:

**Non film forming protection:** recommended wherever a good resistance to water and various soluble hydro and oleo substances is required.

It can be done by applying two or more layers of **Nova\_Wall Care** (hydro-oleo-repellent wax), that protects the surface without modifying the aesthetic aspect. It is the classic solution for this kind of finishes.

**Film forming protection:** it is recommended in all cases where you want to achieve a valid surface protection against cold liquids, dry heat and humid heat. It is achievable by applying a layer of **Mineral Sealer** (bi-component primer) and two layers of one of the **Clear Finish Countertop Protection** finishes (bi-component finish).

## USES

**Archi+ Pietra** can be applied on:

- New and old base hydraulic binder-based plaster.
- Gypsum and plasterboard surfaces
- Old paints and organic or mineral coatings, dry, compact, absorbent and cohesive.
- Various absorbent mineral conglomerates.

**Do not apply inside showers.**

## IDENTIFICATION FEATURES

**Nature of the Binder:** natural hydraulic lime NHL 3,5 (EN 459-1), aerial lime.

**Aspect:** powder

**Maximum aggregates size:** 4 mm

**Product pot life:** 120 minutes approx. at 25° C, UR=60%.

**Permeability to liquid water UNI EN 1062-3:** medium, w=0,30 kg/m<sup>2</sup>h<sup>0,5</sup>

**Permeability to water vapor UNI EN ISO 7783-2:** high, Sd=0,08 for thickness of 0,6 mm (in 2 layers)

**Drying time (at 25 °C and 65% of U.R.):** to the touch in 2-3 hours; overpaintable after 12 hours (depending on the applied thickness).

## PRODUCT PREPARATION

**Archi+ Pietra** use 5,8 – 6,2 l of clean water for each sack of 15 kg of **Archi+ Pietra**.

Pour slowly **Archi+ Pietra** into the water and mix mechanically at low speed. The paste obtained must be a uniform, thixotropic and lump-free mortar. The homogenization cannot be performed manually. Let set the product for 5-10 minutes before the application.

## PREPARATION AND DILUTION OF THE PROTECTIVES

### **Non film forming protection:**

**Nova\_Wall Care:** dilute the first layer with 15% of water.

**Film forming protection: Mineral Sealer:** homogenise **Mineral Sealer A** from any sedimentation. Pour **Mineral Sealer B** into the **Mineral Sealer A** and mix manually for about 45-60 seconds. Alternatively, it is possible to use a mechanical mixer with a slowly stirring propeller for about 1 minute. The mixture obtained must not contain lumps, portions of the two unmixed components, impurities. Leave to rest for 5-10 minutes before application.

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

Dilute the obtained mixture (0,5 l **component A** + 0,350 l **component B**) adding 2,5 l of water.

**Product pot life:** 60 minutes approx., do not add further water to extend the product pot life.

**Clear Finish Countertop Protection/Ultra Matt:** homogenise **Clear Finish Countertop Protection A – Clear Finish Countertop Protection Ultra Matt A** from any sedimentation.

Pour **component B** into **component A** and mix manually or with a mixing drill with propeller under slow stirring for about 1 minute. The mixture obtained must not contain lumps, portions of the two unmixed components, impurities.

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

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

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

**Product pot life:** 60 minutes approx., do not add further water to extend the product pot life.

## COLORATION

In a large and clean container, weigh the needed water for the preparation of the mortar.

Dispense the selected colorant mixture into the container. Disperse the colorants in the water by manual shaking.

Slowly pour **Archi+ Pietra** into the water and mix, with mechanic drill at low speed, without forming lumps. Leave to rest for 5-10 minutes before application.

## WARNINGS

The amount of water must be dosed and kept constant for subsequent coloration of the product.

Different batches can create uneven tones and textures.

The mixing timings must be the same.

Do not use the products over the pot life unless the viscosity allows the application.

Do not add water during the application in order to reduce the viscosity.

Do not apply the product on wet substrates or if humidity comes up from the bottom to the top.

## SUBSTRATE PREPARATION AND APPLICATION

The substrate must be perfectly dry, dust-free, with no humidity and salt stains.

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Remove any traces of disarming.

Remove with mechanic drill or high pressure washing detaching parts or traces of dirt. Level any irregularities in the surface and treat holes, cracks, cervices and gaps in indoor with specific products. Wait for the complete maturation of the substrate before to start the application.

For the preparation of the substrate, **Archi+ Fondo** (mineral key coat) can be applied-on in one or two coats in order to build up the ideal mineral support for **Archi+ Pietra**.

On dry and compact substrate, apply with brush a layer of **Decofix** (micronized clear sealer) properly diluted.

For non-chalk, solid and compact surfaces, **Novaprimer** (acrylic pigmented sealer) can be applied in one layer, diluted, with brush. When the substrate is completely dry, apply one smooth coat of **Archi+ Pietra**, with a stainless steel trowel.

Remove any imperfection and/or the exceeding amount if any.

Wait until the surface is completely dried and apply a second layer of **Archi+ Pietra** as per the previous description.

Work the surface according to the desired aesthetic effect.

The surface can be decorated by applying one or more layers of **Patina Minerale** or **Fase Silossanica** or **Cera-Wax** after at least 48 hours on completely dried surface.

Drying time: 48 hours approx. depending on the type of substrate, its absorption rate and weather conditions.

#### PROTECTION OF THE SURFACES

Wait until the surface is completely dry, at least 48 hours, before applying the protective products on **Archi+ Pietra**.

**Non film forming protection:** apply with brush a first layer of **Nova\_Wall Care** diluted, distributing the product evenly on the entire surface, paying attention to saturate the pores of the surface.

Wait until the surface is completely dry and apply with sponge a second layer of **Nova\_Wall Care** non diluted.

When the surface is dry to the touch, polish the surface with a cloth. The polishing can be done manually with a cloth or a roto-orbital sander equipped with a suitable wool cap. For site requirements it is possible to apply further layers of **Nova\_Wall Care**, following the procedures previously described.

Drying time: to the touch 30 minutes, complete 4 hours, depending on the type of substrate, its absorption rate and weather conditions. Optimal performance is normally achieved within 48-72 hours of applying the last layer.

**Film forming protection:** apply with brush a first layer of **Mineral Sealer** previously mixed and diluted, distributing the product evenly on the entire surface, paying attention to saturate the pores of the surface.

Drying time: 10-12 hours to the touch; overpaintable after 12 hours.

Wait until the surface is completely dry and apply with medium hair roller, a first layer of **Clear Finish Countertop Protection/Ultra Matt**, diluted, distributing the product evenly on the entire surface, without leaving accumulation.

Pay particular attention when laying on corners and edges. Wait for the complete drying of the first layer and apply a second layer of **Clear Finish Countertop Protection / Ultra Matt** following the previously described procedures.

Drying time: complete in 24 hours; Optimal performance is normally achieved within 48-72 hours of applying the last layer.

#### PRECAUTIONS

During the entire application process, the product must protected from cold and high heat changes.

Do not apply with air, substrate and product temperature lower than +8° C and higher than +35° C, nor under direct sun light, nor on superheated surfaces (even if already in shadow).

Do not apply on surfaces with salt efflorescence or subject to rising damp. Environmental humidity must be <75%; substrate humidity must be <10%.

It is advisable to protect the surfaces from rain and humidity for at least 48 hours and until the surface is completely dried.

It is advisable to complete each work with materials from the same batch of production. When using multiple batches, it is recommended to remix the various products together to avoid slight differences in shading.

For the correct use, dilution and application of the products here mentioned, consult their respective technical data sheets.

During the preparation of the substrate and application of the products, it is recommended the correct use of tools and individual protective devices (dpi).

#### TOOLS CLEANING

With water, immediately after their use.

#### YIELD

**Archi+ Pietra (ref. to the powder):** 0,8-1,2 Kg/m<sup>2</sup>, in two layers depending on the type of substrate. It is suggested to test the effective yield directly at site.

#### COLOUR

White and **Archi+ Pietra** colour card.

#### PACKAGING

**Archi+ Pietra** 15 Kg sack

#### SHELF LIFE

The packaged product is guaranteed for 12 months, if stored in the original sealed package and at temperatures between +5°C and +35°C.

#### SECURITY PROCEDURES

Irritant / risk of serious eye damage / irritation of the skin / Keep out of the reach of children / avoid contact with eyes / in case of contact with eyes, clean the up immediately with fresh water and seek medical advice / wear suitable gloves and protect eyes / face / not breathe dust / If swallowed, seek medical advice immediately and show this container or label. The product must be transported, stored and used in accordance with current standards of hygiene and safety, let dry completely and treat them as special waste. For more information see the safety data sheet

NB- NOVACOLOR ensures that the information herein has been provided to the best of its experience and its technical and scientific knowledge, but cannot take any responsibility for the results obtained by using them as the conditions of application are beyond its control. We recommend to check the suitability of the product to each specific instance. This TDS cancels and replaces all previous editions.

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