

# Archi+ Tadelakt

Lime-based powder coating for interiors, based on hydraulic lime

## GENERAL FEATURES

**Archi+ Tadelakt** 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 replicating, from an aesthetic point of view, the typical finishes of the Moroccan **Tadelakt**.

## USES

**Archi+ Tadelakt** 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.

## IDENTIFICATION FEATURES

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

**Aspect:** powder

**Maximum aggregates size:** 0,3 mm

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

**Permeability to liquid water UNI EN 1062-3:** medium, w=0,20 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+ Tadelakt:** use 5,8 – 6,2 l of clean water for each sack of 15 kg of **Archi+ Tadelakt**.

Pour slowly **Archi+ Tadelakt** 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 PROTECTIVE PRODUCTS

### Non-filming protection:

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

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

### Filiming protection:

**Mineral Sealer:** mix Mineral Sealer A to remove eventual sedimentations. Pour Mineral Sealer B into Mineral Sealer A and mix manually for 45-60 seconds approximately. Alternatively, it is possible to slowly mix for 1 minutes approximately with mechanic drill with screw. The paste should be homogeneous without clumps and impurities. Let it set for 5-10 minutes before the application.

**Mixing ratio:** 100 parts of component A + 35 parts of component B. Dilute the mix (0,5l of component A + 0,35l of component B) with 2,5l of water.

**Pot life:** approximately 60 minutes. Do not add more water to extend the pot life.

**Clear Finish Countertop Protection Satin/Ultra Matt:** homogenize Clear Finish Countertop Protection A Satin/Ultra Matt from eventual sedimentations. Pour component B into component A and mix it manually or slowly with a mechanic drill with screw for 1 minute approximately. The paste should be homogeneous without clumps and impurities.

**Clear Finish Countertop Protection Satin mixing ratio:** 10 parts of component A + 3 parts of component B.

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

Dilute the paste with max. 10-15% of water.

**Pot life:** approximately 60 minutes. Do not add more water to extend the 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+ Tadelakt** 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.

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+ Tadelakt**.

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+ Tadelakt** 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+ Tadelakt** as per the previous description.

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### **SUBSTRATE PROTECTION**

Wait the substrate to be completely dry, generally in 48 hours, before to proceed with the application of the protective layer on top of Archi+ Tadelakt.

#### **Non-filming protection with Cera Wax Plus:**

The application of **Cera Wax Plus** reduces the absorption of the surfaces and gives a soft protection from the accidental contact with water.

Apply, with a glove or with a sponge trowel, a first layer of **Cera Wax Plus**, diluted, covering homogeneously the entire surface.

Once the surface is dry, apply with a sponge a second layer of **Cera Wax Plus**, not diluted. Wait the surface to be touch-dry, then polish it manually with a cloth or mechanically with a sanding machine with woolen disk.

For on-site requirements, it is possible to apply more layers of **Cera Wax Plus**, following the previously described procedures.

**Drying time:** touch-dry in 30 minutes approximately; completely dry in 4 hours approximately, depending on the type of substrate, absorption rate and environmental conditions. The best performance can be achieved after 24-48 hours after the application of the last layer.

#### **Non-filming protection with Nova Wall Care:**

Recommended in all the settings where water resistance and hydro-oleo repellence are required.

It can be achieved with two or more layers of **Nova Wall Care** (beeswax water and oil repellent), to protect the surface without altering the aesthetic effect.

Apply with a brush a first layer of **Nova Wall Care**, diluted, distributing the product homogeneously on the surface.

When the surface is completely dry, apply with a sponge a second layer of **Nova Wall Care**, not diluted.

Wait the surface to be touch-dry, then polish it manually with a cloth or mechanically with a sanding machine with woolen disk.

For on-site requirements, it is possible to apply more layers of **Nova Wall Care**, following the previously described procedures.

**Drying time:** touch-dry in 30 minutes approximately; completely dry in 4 hours approximately, depending on the type of substrate, absorption rate and environmental conditions. The best performance can be achieved after 48-72 hours after the application of the last layer.

#### **Filming protection with Mineral Sealer and Clear Finish:**

Recommended when a high protection from cold liquids and heat is required, for example within the showers.

It can be achieved with one layer of **Mineral Sealer** (bi-component primer) and two layers of **Clear Finish Countertop Protection** (bi-component finish).

Apply with a brush one layer of **Mineral Sealer**, previously mixed and diluted, covering homogeneously the entire surface.

**Drying time:** touch-dry in 10-12 hours approximately; completely dry after 12 hours.

Once the surface is completely dry, apply with a medium-pile roller, a first layer of **Clear Finish Countertop Protection**, diluted, covering homogeneously the entire surface, especially edges and corners.

When the surface is dry, apply a second layer of **Clear Finish Countertop Protection**, following the previously described procedures.

**Drying time:** completely dry in 24 hours; the best performance can be achieved after 48-72 hours after the application of the last layer.

### **PRECAUTIONS**

During the entire application process, the product must be 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+ Tadelakt (ref. to the powder):** 0,9-1,2 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+ Tadelakt** colour card.

### **PACKAGING**

**Archi+ Tadelakt:** 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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