

# Eclat\_Wall Painting

## Decorative coating for exterior with metallic effects

### DESCRIPTION

**Eclat\_Wall Painting** is a decorative finish for exteriors with metallic effect. The light reflected from the surface influences the final aesthetic effect. It will be distinguished by tiny spots of light able to create a 3D effect of brightness.

**Eclat\_Wall Painting** creates a protective coating with excellent water repellence and good permeability that gives the finishing excellent breathability and good resistance to rain.

**Eclat\_Wall Painting** is suitable for the application in harsh environmental conditions and climates characterized by strong seasonal temperature changes.

Thanks to its particular formulation and the presence of anti-mould additives, it preserves treated surfaces from moulds, algae and moss even in the case of application on thermal insulation system.

**Eclat\_Wall Painting** requires the use of a tinted base coat according to the desired effect and aesthetic look.

In the presence of ETICS surfaces (thermal "external coating"), the use of **Intosil Medio** is recommended.

For further information, consult the technical service.

### USES

It can be applied on:

- New and pre-existing lime plasters
- Concrete surfaces
- Various absorbent mineral conglomerates.
- Pre-existing and new, dry, compact absorbent mineral or organic coatings
- **ETICS** surfaces(external thermal insulation composite systems)

**Not suitable for dehumidifying.**

Surfaces must be properly prepared following the instructions on **SUBSTRATE PREPARATION AND APPLICATION.**

### IDENTIFICATION FEATURES

Binding agent: acrylic copolymer with siloxane alteration in water emulsion.

Density:

**Eclat\_Wall Painting:** 1,09 +/- 0,05 g/ml

Drying time (at 25 °C and 65% di U.R.): to the touch after 30 min. ; it can be overpainted after 4 hours.

### PERFORMANCE CHARACTERISTICS

Water permeability UNI EN 1062-3: low,  $w < 0,1 \text{ kg/m}^2\text{h}^{0,5}$  – data report based on the white base.

Vapour permeability UNI EN ISO 7783-2: high,  $S_d < 0,14 \text{ m}$  - data report based on the white base.

Protective for facades (Kuenzel theory DIN 18550):  $W < 0.5 \text{ kg/m}^2\text{h}^{0.5}$  and  $S_d < 2 \text{ metres}$ .

Mould and Algae resistant UNI EN 15457 e UNI EN 15458

### DILUTION

**Eclat\_Wall Painting:** ready to use, max dilution 20% with water.

### WARNING

Properly mix the product before the application.

Do not apply on fresh surfaces, wait for the adequate maturation time, generally of 4 weeks.

For a better aesthetic effect, it is advisable to tint all the base coat products before the application.

Applications on CLS surfaces has a decorative function.

### SUBSTRATE PREPARATION AND APPLICATION

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

#### Plaster Substrates:

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

Resurface or consolidate the surface with specific products if necessary.

In case of mould, treat the surface with suitable specific products.

Brush or remove any efflorescence and old peeling paint.

Higher layers of old lime-based paint and tempera paint must be removed.

Brush out dust, smog or other deposits before the application.

Cracks must be properly enlarged and filled with fillers or similar products. Level substrates irregularities. Holes and cracks can be treated by proper levelling products according to the type of substrate.

Make sure that the substrate is perfectly dry and apply, with a brush a layer of diluted **Acricolor** (acrylic water based sealer) or alternatively apply with a brush a layer of diluted **Decofix** (micronized wall sealer).

For strongly textured finishes it is possible to apply with a stainless steel trowel two layers of **Intosil Fine or Concrete by Novacolor**, working the surface according to the desired effect.

Over a dry surface, apply with sponge trowel one coat of **Eclat\_Wall Painting**.

Work into the surface still fresh in order to avoid marks and removing exceeding materials.

Drying time: 24 hours depending on the type of support and/or its absorption rates and environmental conditions.

#### **Concrete surfaces:**

The surface must be clean and dry, cohesive and compact and have no dust and mineral salt spots.

If necessary, restore or consolidate using specific products.

Treat the surface with appropriate products in the presence of mould.

Remove any salt bloom and any flaking old paint by brushing or washing. Completely delete any raised layers of paint. Remove the dust deposits, smog and other by brushing.

Remove the cement structural parts that are poorly adherent.

The reinforcement metal round bars that are visible on the surface must be brushed thoroughly and treated with passivating grout.

Restore the missing parts with suitable anti-contraction, thixotropic, fibre-reinforced mortar.

Perform final smoothing with anti-contraction anti-carbonation levelling agent.

Make sure that the substrate is thoroughly dry and apply a layer of diluted **Decofix** (micronized wall primer).

For strongly textured finishes it is possible to apply with a stainless steel trowel two layers of **Intosil Fine or Concrete by Novacolor**, working the surface according to the desired effect.

On dry surface, apply one or two layers of **Eclat\_Wall Painting** with sponge trowel.

Work the surface before the complete drying to delete exceeding material.

Drying time: approx. 24 hours depending on the type of substrate, its absorption and on environmental conditions.

#### **ETICS surfaces (external thermal insulating composite systems):**

**To limit excessive mechanical stress caused by overheating of the surface due to solar irradiation, it is advisable to use shades of colour with reflectance index (Y) over 20.**

**The selection of shades present in the colour chart is suitable for application on ETICS systems.**

#### **New surfaces:**

Make sure that the substrate has a curing time that meets the manufacturer's specifications.

Make sure that the substrate is completely dry and apply a layer of **Acricolor** (water-based acrylic pigmented primer) diluted, or, alternatively, apply a layer of diluted **Decofix** (micronized wall primer) and wait for it to dry.

With a stainless steel trowel apply one layer of **Intosil Medio**, working the surface till achieving the desired aesthetic effect.

After 8 hours, apply a layer of **Eclat\_Wall Painting** with sponge trowel.

Drying time: approx. 24 hours depending on the type of substrate, its absorption and on environmental conditions.

#### **Renewal of existing surfaces:**

**Before covering an ETICS surface, it is good practice to check:**

- The adhesion of the insulating panels to the substrate.
- The presence of any inconsistent parts which are coming off or damaged; these must be removed.
- That the surface is smooth and not crumbling.
- There are no cracks on the surface between the various insulating panels.
- There are no algae or mould present, then proceed with sanitization using specific products, if necessary.
- The surface is dry and free from condensate.

Apply a layer of diluted **Decofix** (micronized wall primer).

Proceed with reinforced levelling using cement-based adhesive suitable for external insulation finishing system:

A smoothing agent is recommended with:

- maximum dimension of the aggregates: 0.75 mm
- adhesion to concrete/brickwork: > 0.25 MPa

Embed an alkali-resistant plaster mesh, with weight of approx. 150 gr/m<sup>2</sup> between the two levelled layers and wait for curing; see the manufacturer's technical data sheet.

Apply with a brush a layer of diluted **Decofix** (micronized wall primer).

With a stainless steel trowel apply one layer of **Intosil Medio**, working the surface till achieving the desired aesthetic effect.

After 8 hours, apply one or two layers of **Eclat\_Wall Painting** with a stainless steel trowel.

Drying time: approx. 24 hours depending on the type of substrate, its absorption and on environmental conditions.

**Dilutions of the insulating element and the quantity to apply depend on the substrate absorption and must be determined with preliminary tests on the specific substrate. Consult the technical data sheet).**

**The protection of anti-mould and anti-algae finishes tends to consume over time, its efficacy and its durability are influenced by the climatic and environmental exposure and by the application system.**

## RECOMMENDATIONS

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 +5°C and higher than +35°C, nor under direct sun light, nor on superheated surfaces (even if already in shadow). Environmental humidity must be <75%; substrate humidity must be <10%.

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 use.

## YIELD

**Eclat\_Wall Painting:** 8-10 m<sup>2</sup>/l, each layer, according to the substrate and its absorption rate.

It is advisable to determine the real yield with a preliminary test on the specific substrate.

## COLORS

Base Gold not to be tinted.

## DRUM SIZES

1 l and 4 l tints.

## SHELF LIFE

The packaged product is guaranteed for 24 months, if stored in the original sealed packages and at the adequate temperatures.

## SECURITY PROCEDURES

EU Directive 2004/42/CE:

**Eclat\_Wall Painting** (decorative effect coatings))

EU limit values for **Eclat\_Wall Painting** (cat A/l): 200 g/l (2010).

**Eclat\_Wall Painting** contains 200 g/l max of VOC.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment / Keep out of the reach of children / Do not empty into drains / Wear suitable protective clothing and gloves / If swallowed, seek medical advice immediately and show container or label.

The product must be transported, used and stored in accordance with the standards in force regarding hygiene and safety; let the residues dry out completely and treat them as special waste.

For more information see the safety data sheet.

N.B. - NOVACOLOR guarantees that the information herein is provided to the best of its technical and scientific knowledge and based on its experience; nonetheless, the company may not be held liable for the results obtained using these products, as application conditions are beyond its control. It is recommended to always make sure that the product is suited to each specific instance. The present sheet voids and replaces any previously existing sheets.