

# Decofix

Micronized water-based fixative for interiors and exteriors, solvent free

## GENERAL FEATURES

**DECOFIX** is a water-based solvent-free insulating product with high penetration performances. Due to its special formulation, Decofix is highly suitable for the impregnation and consolidation of interior and exterior surfaces.

Formulated with polymers with very fine particles, Decofix ensures an high penetrating performance able to consolidate chalky walls surfaces covered with several layers of old paint.

Due to its performances and considering its extremely low VOC emission, Decofix is a valid alternative solution to traditional solvent-base sealers.

Isolating the surface, Decofix improves the cohesion and make uniform the absorption of the surface creating a perfect anchor for the subsequent layers of paint.

## USES

Decofix can be applied-on:

- Insulating system surfaces
- New and pre-existing plasters based-on hydraulic binders
- Concrete surfaces
- Gypsum plaster and plasterboard surfaces.
- Old paints and organic or mineral coatings, dry, compact, absorbent and cohesive
- Various absorbent mineral conglomerates.

Surfaces should be adequately prepared following the procedures and instructions of the paragraph 'SUBSTRATE PREPARATION AND APPLICATION'.

## IDENTIFICATION FEATURES

- Nature of the binder: micro-emulsions at low smell.
- Solvent: water
- Density UNI EN ISO 2811-1: 1,00 ± 0,05 kg/l
- Efflux Time UNI EN ISO 2431: 46"±3" Iso n.3 cup at 25 °C
- VOC: <35 mg/kg
- Free formaldehyde: <10 mg/kg
- Drying up (25 °C and 65% di R.H.): at touch in 30-40 min.;

## DILUTION

With water.

The amount varies widely depending on the type of substrate and its absorption rate.

On gypsum and plasterboards: from 50% to 100%.

On plasters, levelling products for thermal insulating system and on chalky walls and old paints: from 100% to 200%.

On concrete surfaces: from 200 % to 300%.

The right amount can be evaluated looking at the treated surfaces; too high quantities can form a compact layer that discourage the adhesion of paint. On the other hand, a low application of Decofix makes difficult the application of paint with a related increase of consumption, a lower anchor performance of the finish and possible uneven absorption rates.

## WARNINGS

Mix properly the product before tinting and application. Do not apply on new/fresh alkaline surfaces. Wait a maturation time of 4 weeks approx.

## SUBSTRATE PREPARATION AND APPLICATION

(T=25°C, UR=60%)

### Gypsum plaster and plasterboard surfaces:

If the surface is new/fresh, wait a maturation time of 4 week approx. before the application. Check the conservation of the surface; consolidate it with specific products if necessary. In case of mould, treat the surface with suitable specific anti-mould products.

Brush or remove any efflorescence and any old peeling paint. Higher layers of old lime-based paint and tempera paint must be removed washing them out with a pressure washer or wetting the surface and scraping the layers properly.

Level any irregularities in the surface and treat holes, cracks, cervices and gaps in indoor with specific products.

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

Use adequate product to seal any cracks.

When the surface is dry, apply one layer of DECOFIX, diluted, with roller or brush. After at least 2 hours, proceed with the application of the finishing product.

### Concrete surfaces:

Brush out any dust on the surface and remove any coat of old paint flaking away. In case of mould, use specific and suitable anti-mould products.

Remove any structural concrete parts if not perfectly adherent.

The reinforced-concrete rods protruding from the surface must be properly brushed and treated with specific products.

Restore the missing parts. Before start applying Decofix, diluted, with roller or brush, make sure the surface is complete dry. After at least 2 hours, proceed with the application of the finish product.

### Stone or brick surfaces:

Brush out any dust and clean up the surface properly; in presence of dirty crust patinas, use high-pressure washer, sandblasting or chemical cleaning products. It is recommended to perform a preliminary test to determine the most effective cleaning method. In case of mould, use specific and suitable anti-mould products

On dry surface, apply one layer of **DECOFIX**, diluted, with roller or brush.

On still wet surfaces, it is possible to proceed applying a second layer of DECOFIX following the above-mentioned technique instructions.

After at least 2 hours, proceed with the application of the finish product.

## RECCOMENDATIONS

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 +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**

Approximate yield: traditional plaster surfaces, plasters modified with synthetic resins, gypsum and plaster boards: 15-18 m<sup>2</sup>/l.

Mineral surface and limed-based plaster or very absorbent surfaces: 8-10 m<sup>2</sup>/l.

it is advisable to perform a preliminary test to determine the real consumption at site.

#### **COLORS**

Neutral, it cannot be tinted

#### **PACKAGES**

1 l; 5 l; 15 l buckets.

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.

#### **SHELF LIFE**

The packaged product is guaranteed for 24 months, if stored in the original sealed package and at temperatures between +5°C and +35°C.

#### **SECURITY IDENTIFICATIONS**

EU Limit Value (Dir. 2004/42/EC)

Cat. H: water-based primer/sealers: 30 g/l (2010)

Decofix contains 30 g/l of VOC maximum.

The product does not require the label as per the D.L. 65 dated 14/03/03 and following corrections. Use the products as per the security and hygiene procedures rules. Dispose of the empty packaging remaining material in compliance with local laws. Keep the product away from children usage and in an airy place.

In case of contact with eyes, wash them immediately with water. In case of ingestion of the products, consult immediately a doctor showing him the can or the label of the product. Do not leave wastes in drains, water courses and on the ground. For further information consult the safety data sheet.