

# Zer0 Primer

-Water-based mineral fixative, for indoors and outdoors.

## PRODUCT DESCRIPTION

**Zer0 Primer** is a colourless, water-based mineral fixative, for indoors and outdoors, with a modified potassium poly-silicate, colloidal silica and organic polymer base.

The special formulation makes it totally free of biocides, formaldehyde and volatile organic compounds (VOC).

**Zer0 Primer** is equipped with reduction activity of formaldehyde concentration. Combined with a mineral finish with formaldehyde reduction properties (**CalceCruda, Patina Minerale, Puro Titanium & VOC free**), it optimises functionality. The duration of the destruction process is not permanent. In fact, this property is strictly linked to environmental conditions.

**Zer0 Primer** represents **Novacolor's** current commitment towards a "Green Approach".

To contain the "carbon footprint" of **Zer0 Primer**, it is formulated with a special binder, produced with sustainable biomass replacing the fossil raw materials thanks to a "mass balance" approach. **Zer0 Primer** obtained REDcert<sup>2</sup> certification for products deriving from biomass use.

## USES

**Zer0 Primer** is specifically for impregnation and reinforcement of wall surfaces, before treatment with mineral finishes (silicates or gypsum), however it can also be used on:

- Gypsum plaster
- Two-coat plaster in cement line mortar or equivalent
- Existing smooth or thick mineral finishes
- Flaking, organic old paint

## IDENTIFICATION FEATURES

Binder nature: potassium silicate, colloidal silica stabilised with organic dispersion.

Density UNI EN ISO 2811-1:

**Zer0 Primer:** 1.08 +/- 0.05 g/ml

## PERFORMANCE FEATURES

**Zer0 Primer** chemically reacts with the substrate through a process called "silicatisation" consolidating and uniforming absorption to guarantee homogeneous finishes.

**Drying (at 25 °C and 65% R.H.):** to touch approx. 1 hour; complete in 24 hours, can be painted over after 8 hours.

**Indoor Air Quality Classification:** A+

## DILUTION

**Zer0 Primer:** dilute 1:1 with water.

## WARNINGS

Mix the material adequately before tinting and before application. Do not apply to fresh and naturally alkaline substrates, wait an adequate amount of time for setting, generally four weeks.

## SUBSTRATE PREPARATION AND APPLICATION

(With environmental conditions T=25° C, RH=60%)

The surface must be dry, dust-free and free of salt stains caused by humidity. In most cases, light brushing is enough.

Very worn synthetic paint should be removed using a paint stripper.

Proceed by applying a test section of **Zer0 Primer**, which should be appropriately diluted, to check the treated surface does not have shiny reflections after treatment.

In this case, dilute more.

The best result is obtained by applying diluted **Zer0 Primer** with a brush, proceeding from top to bottom of the surface to treat.

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

## RECOMMENDATIONS

The material must be applied while protecting it from frost and drastic changes in temperature, during the entire application cycle. Do not apply with the temperature of the air, the substrate and the product, under +5° C or over +35° C, under direct sunlight, or on heated surfaces (even if already in shade). During application, protect (shield) surfaces in glass, ceramic, plastic materials metal and natural stone. Environmental humidity must be < 75%; humidity of the substrate must be < 10%.

You are advised to complete each job with materials from the same manufacturing batch. For correct use of the stated materials, dilution and laying, carefully read the relevant technical data sheet. During all the phases to prepare the substrate, the products and application, you are advised to correctly use the equipment and personal protective equipment (PPE).

## CLEANING EQUIPMENT

With water, immediately after use.

## YIELD

**Zer0 Primer:** 8–10 m<sup>2</sup>/l, per single coat, based on the type of substrate and its absorption. It is advisable to determine the real yield with a preliminary test on the specific substrate.

## COLOURS

Colourless.

## PACKAGING

Packaging 1l; 5 l;.

## SHELF LIFE

The product should preferably be used within 2 years of the production date if kept in the original containers unopened and in adequate temperature conditions.

## SAFETY INSTRUCTIONS

Directive 2004/42/EC:

**Zer0 Primer (primer)**

EU value limit for **Zer0 Primer (cat A/g):**30 g/l (2010)

**Zer0 Primer** contains a maximum 0.5 g/l of VOC.

Irritant for eyes and skin. / keep out of reach of children. / avoid contact with eyes. / in case of contact with eyes, immediately wash with plenty of water and consult a doctor. / use suitable gloves. / in case of ingestion, immediately consult a doctor and show him/her the container or label. The product must be transported, used and stored according to hygiene and safety legislation in force. For further information, consult the safety data sheet.

Technical data sheet: Zer0 Primer

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Page 1 of 2

N.B. - COLORIFICIO NOVACOLOR guarantees the information in this data sheet is provided to the best of its experience and technical and scientific knowledge; nonetheless, the company cannot be held liable for the results obtained using these products, as application conditions are beyond its control. You are advised to always ensure the product is suited to each specific case. This data sheet voids and replaces any previously existing data sheet.