

Metallo_Fuso Base Coat

Epoxy coating for finishes, on walls and technical surfaces, for indoors.

DESCRIPTION

Metallo_Fuso Base Coat is a decorative coating for indoor walls and technical surfaces composed of selected aggregates, two-component epoxy resin compounds, fillers and special rheological additives to give the product optimum workability.

Metallo_Fuso Base Coat A can be coloured using the Novacolor tinting system.

Application of **Metallo_Fuso Base Coat** allows you to create a smooth or textured finish and is further enriched when combined with **Metallo_Fuso**. The surfaces become worthy decor that evokes the flexibility and formability of metals.

USES

With appropriate measures in the application cycle, **Metallo_Fuso Base Coat** can be applied to:

- new and old plaster with a hydraulic binder base.
- old gypsum and plaster
- plasterboard surfaces
- concrete surfaces
- old synthetic or mineral paint
- conglomerates varying in mineral nature, provided they are absorbent
- surfaces in wood, chipboard, plywood or MDF and similar
- PVC substrates
- fibre cement substrates.

The surfaces should be adequately prepared according to the methods in the paragraph "**SUBSTRATE PREPARATION AND APPLICATION**".

IDENTIFICATION FEATURES

Binder nature: epoxy and specific hardener.

Density UNI EN ISO 2811-1:

Metallo_Fuso Component A: 1.50 +/- 0.05 g/ml

Metallo_Fuso Component B: 1.09 +/- 0.05 g/ml

MIXTURE PREPARATION

Mixing ratio: 0.75 l **Metallo_Fuso Base Coat A** + 0.25 l **Metallo_Fuso Component B**.

Preparation of the mixture: homogenise **Metallo_Fuso Base Coat A** of any sedimentation. Pour **Metallo_Fuso Component B** in **Metallo_Fuso Base Coat A** and mix, with a mechanical mixer with a spiral, until completed mixed.

Mixing of the components cannot be carried out manually, you are advised to periodically mix to maintain an even mixture.

If you want to slightly reduce the viscosity of the mixture, you can add up to 3% water to the mixture obtain.

Use time of the mixture: approx. 30 minutes at 25° C, RH =60%.

Drying time: to touch approx. 6-8 hours; sand after 24 hours.

WARNINGS

Mix the material adequately before laying.

Do not apply to fresh and naturally alkaline substrates, wait an adequate amount of time for setting, generally

four weeks. Application on concrete surfaces is only for decorative purposes. Do not use in situations with constant water flow, inside tanks or similar. Do not use the product beyond its pot life, even if the viscosity of the mixture permits. Production batch change can lead to slight colour differences.

The finished surface may present a natural film of oxidation, diversified in texture, colour and intensity.

Do not use abrasive sponges to clean the surfaces.

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.

If necessary, restructure or consolidate the substrate with specific products.

If mildew is present, treat the surface with specific products. Remove by brushing, or washing, any efflorescence present and old, flaked paint.

Completely eliminate any layers of raised lime-wash or tempera paint. Remove dust, smog or other deposits, by brushing.

In the presence of broken and flaking substrates, apply a coat of **Decofix** (micronised wall fixative) with a brush. For consistent, intact substrates, you can alternatively apply a coat of diluted **Novaprimer** (water-based pigmented acrylic fixative, with a brush. In the presence of particularly absorbent or critical substrates, you can apply, using a brush or roller, a coat of **Fondo Universale** (base coat primer).

On completely dry surfaces, apply a coat of **Metallo_Fuso Base Coat** using a stainless steel spatula.

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

SMOOTHING AND POLISHING

Smoothing and polishing are necessary to reach the typical aesthetic effect of **Metallo_Fuso Base Coat**.

You are advised to use tools equipped with a speed variator and which can be connected to a dust vacuum system.

On completely dry surfaces, proceed to smooth, in the first phase, using a sequence of abrasives respectively **150, 320, 500, 800**. Start smoothing with abrasive 150 at low speed. Proceed in succession with the abrasives and regulate the speed based on the aesthetic effect.

Continue smoothing/polishing the surface with abrasive discs **1500, 3000, 6000**, while always regulating the tool speed.

When work is complete, clean the surface with a micro-fibre cloth and, if necessary, use a non-aggressive (neutral) detergent.

SURFACE PROTECTION

Metallo_Fuso Base Coat does not require any protection, however if necessary, you can protect the surfaces.

Cera Wax Plus creates a non-filming, mild protection, giving further depth and shine without altering the aesthetic appearance. It is applied using a cloth or sponge pad, in one or two layers without diluting it. It is advised for surfaces not subject to heavy stress. **The first cleaning operations of the surface can be carried out at least 24 hours after application.**

Clear Finish Glossy creates a visible protective film. It is applied in two coats with a medium pile roller to give excellent resistance

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against wear, good resistance against cold liquids, dry heat and humid heat. The first cleaning operations of the surface must be carried out at least 7 days after application.

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 products, under +10° C or over +35° C.

Do not apply in the presence of surface condensate or in direct sunlight or on heated surfaces (even if already in the shade).

Do not apply on saline efflorescence surfaces or surfaces subject to rising damp.

Environmental humidity must be < 75%; humidity of the substrate must be < 4%.

To ensure the optimal aesthetic and performance features of the product are reached, it should be applied in the aforementioned climatic conditions and protect the surfaces for 48 hours approx. and however until the product is completely dry.

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

Metallo_Fuso Base Coat: 2.0-5.0 m²/l per single coat and refer to the applications on smooth and average absorbing substrates. It is advisable to determine the real yield with a preliminary test on the specific substrate.

COLOURS

Refer to colours **Metallo_Fuso Base Coat**.

PACKAGING

Packaging:

Metallo_Fuso Base Coat A: 0.75 l

Metallo_Fuso Component B: 0.25 l

SHELF LIFE

The product should preferably be used within 1 year of the production date if kept in the original containers unopened and in adequate temperature conditions.

SAFETY INSTRUCTIONS

Directive 2004/42/EC:

Metallo_Fuso Base Coat (two-component, high performance paint)

EU limit value for **Metallo_Fuso Base Coat** (cat A/j): 140 g/l (2010)

Metallo_Fuso Base Coat contains a maximum 140 g/l of VOC.

The product requires labelling pursuant to legislation in force. Use the product according to hygiene and safety standards in force. Do not throw residue in sewers, in rivers and streams and on the ground; after use, do not dispose of the containers in the environment, leave the residue to dry well and treat as special waste. Keep out of reach of children. If ingested, consult a doctor immediately.

For further information, consult the safety data sheet.

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.