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# Metallo\_Fuso

Decorative coating for interiors based on metal powders



METALLO\_FUSO - V.2026-06-26

## PRODUCT DESCRIPTION

**Metallo\_Fuso** is a decorative coating for interior vertical surfaces, composed of selected metallic alloy powders, two-component epoxy resin compounds, fillers and special rheological additives to ensure excellent workability.

The application of **Metallo\_Fuso** allows the creation of unique textures, enhancing treated surfaces in an original and exclusive way, transforming them into real metal.

**Metallo\_Fuso** is available in the following versions: Tin, Copper, Brass, Bronze, Zinc.

## USES

With appropriate measures in the application cycle, **Metallo\_Fuso** can be applied on:

- New and old renders based on hydraulic binders
- Old lime and gypsum renders
- Plasterboard surfaces
- Concrete surfaces
- Old synthetic or mineral coatings
- Aggregates of various mineral types, provided they are absorbent
- Wooden surfaces, chipboard, plywood, MDF and similar
- PVC substrates
- Fibre cement substrates

Surfaces must be properly prepared following the procedures described in the section 'SUBSTRATE PREPARATION AND APPLICATION'.

## IDENTIFICATION FEATURES

- Binder type: epoxy resin with specific hardener
- Density UNI EN ISO 2811-1:  
**Metallo\_Fuso Component A:**  $1.03 \pm 0.05$  g/ml  
**Metallo\_Fuso Component B:**  $1.09 \pm 0.05$  g/ml

## MIXTURE PREPARATION

### Mixing ratio

0.5 l **Metallo\_Fuso Component A** + 0.25 l **Metallo\_Fuso Component B** + 3 kg **Metallo\_Fuso metallic powder** (Tin / Copper / Brass / Bronze / Zinc).

Or 0.068 l **Metallo\_Fuso Component A** + 0.036 l **Metallo\_Fuso Component B** + 0.396 kg **Metallo\_Fuso metallic powder** (Tin / Copper / Brass / Bronze / Zinc).

### Mix preparation

Homogenise **Metallo\_Fuso Component A** in case of any sedimentation. Pour **Metallo\_Fuso Component B** into **Metallo\_Fuso Component A** and mix using a mechanical stirrer with a helical mixer until fully blended. Gradually add, under continuous mechanical stirring, **Metallo\_Fuso metallic powder** until a homogeneous, lump-free mixture is obtained.

Manual mixing of the components is not permitted; it is recommended to periodically stir the mixture to maintain its homogeneity.

If a slight reduction in viscosity is required, up to 3% water may be added to the final mixture.

**Pot life:** approx. 30 minutes at 25 °C, RH = 60%.

**Drying time:** touch dry approx. 6–8 hours; sandable after 24 hours.

## WARNINGS

Thoroughly mix the material before application.

Do not apply on fresh or potentially alkaline substrates; allow an adequate curing time, generally about four weeks.

Application on concrete surfaces has a purely decorative function.

Do not use in situations with constant presence of water, such as inside tanks or similar environments.

Do not use the product beyond its pot life, even if the mixture viscosity still allows application.

Changes between production batches may result in slight colour differences.

The finished surface may exhibit a natural oxidation patina, varying in texture, colour and intensity.

Do not use abrasive sponges to clean the surfaces.

## SUBSTRATE PREPARATION

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

The surface must be dry and free from dust and moisture salt stains.

If necessary, proceed with restoration or consolidation of the substrate using specific products.

In the presence of mould, treat the surface with appropriate products.

Remove, by brushing or washing, any efflorescence present and flaking areas of old paints.

Completely remove any thick layers of limewash or distemper paints. Remove deposits of dust, smog and other contaminants by brushing.

In the presence of non-cohesive or powdery substrates, apply one coat of **Decofix** (micronized wall fixative) with a brush. For solid, non-powdery substrates, alternatively apply one diluted coat of **Novaprimer** (pigmented water-based acrylic fixative) with a brush. For particularly absorbent or critical substrates, apply one coat of **Fondo Universale** (covering primer) with roller or brush.

On a completely dry surface, apply one coat of **Metallo\_Fuso** using a stainless-steel trowel.

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

## SMOOTHING AND POLISHING

Grinding and polishing are necessary to achieve the typical aesthetic effect of **Metallo\_Fuso**.

It is recommended to use tools equipped with a variable speed control and connectable to a dust extraction system.

On a completely dry surface, proceed with grinding using, as a first step, a sequence of abrasives with grits **150, 320, 500, 800**. Start grinding with grit 150 at low speed. Continue with the sequence of abrasives and adjust the speed according to the desired aesthetic result.

Proceed with grinding/polishing the surface using abrasive discs with grits **1500, 3000, 6000**, always adjusting the speed of the tool.

At the end of the process, clean the surface with a microfiber cloth and, if necessary, using a non-aggressive (neutral) detergent.

## PROTECTION OF THE SURFACES

To reduce the natural oxidation of the metallic finish, **Metallo\_Fuso** can be protected with **Cera Wax Plus** or **Skermo MF**.

### Non-film-forming protection with Cera Wax Plus:

The application of **Cera Wax Plus** provides the treated surface with softness, reduced surface absorption and light protection against accidental contact with water.

Clean the surface thoroughly and apply one coat of undiluted **Cera Wax Plus** using a glove or sponge float, ensuring an even distribution over the entire surface. For aesthetic or site requirements, a second coat may be applied following the same procedure.

Allow the treated surface to dry completely and proceed with polishing.

Polishing can be carried out manually with a cloth or with an orbital sander fitted with a suitable wool pad.

Drying time: touch dry approx. 30-60 minutes; complete drying 4-8 hours depending on substrate type, absorbency and environmental conditions.

Optimal performance is generally achieved after 24-48 hours from the application of the final coat.

### Film-forming protection with Skermo MF:

The application of **Skermo MF** provides protection against accidental contact with water and good resistance to commonly used household liquids.

**Skermo MF** must be applied in two coats using a medium-nap roller, undiluted, after thorough cleaning of the surface.

Allow the surface to dry completely and then apply a second coat of **Skermo MF** following the same procedure.

Drying time: complete drying in 24 hours; optimal performance is achieved after 48-72 hours from the application of the final coat.

## RECOMMENDATION

The material must be applied while protecting it from frost and severe temperature fluctuations throughout the entire application cycle.

Do not apply when air, substrate or product temperatures are below +10 °C or above +35 °C.

Do not apply in the presence of surface condensation or under direct sunlight, nor on overheated surfaces (even if already in shade).

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

Ambient humidity must be <75%; substrate moisture must be <4%.

To ensure optimal aesthetic and performance characteristics of the product, it is recommended to apply it under the above-mentioned climatic conditions and to protect the surfaces for approximately 48 hours and in any case until complete drying of the product.

It is recommended to complete each job using materials from the same production batch.

For the correct use of the mentioned materials, dilution and application methods, please refer to the relevant technical data sheet.

During all phases of substrate preparation, product handling and application, the correct use of tools and personal protective equipment (PPE) is recommended.

## CLEANING OF TOOLS

With water, immediately after use.

## YIELD

0.6-1.8 kg/m<sup>2</sup> per single coat, referring to applications on smooth and moderately absorbent substrates. It is advisable to determine the actual coverage by carrying out a preliminary test on the specific substrate.

## COLORS

Tin, Copper, Brass, Bronze, Zinc.

## PACKAGING

3.75 kit:

**Metallo\_Fuso Component A:** 0.5 l

**Metallo\_Fuso Component B:** 0.25 l

**Metallo\_Fuso metallic powder** (Tin/Copper/Brass/Bronze/Zinc): 3 kg

0.5 kit:

**Metallo\_Fuso Component A:** 0.068 l

**Metallo\_Fuso Component B:** 0.036 l

**Metallo\_Fuso metallic powder** (Tin/Copper/Brass/Bronze/Zinc): 0.396 kg

## STORAGE LIFE CONDITIONS

The product should preferably be used within 1 year from the production date, if stored in the original unopened containers and under suitable temperature conditions.

## SECURITY PROCEDURES

EU limit value (Dir. 2004/42/EC)

Cat. A/j: Two-pack reactive performance coatings (water-base): 140 g/l (2010)

The product contains max: 140 g/l VOC

Use the product according to current health and safety regulations; after use, do not discard the containers in the environment; allow the residue to dry thoroughly, then treat as special waste. Do not dispose of residues in the sewers, waterways or ground. For more information consult the safety data sheet.