

PUROMETALLO

Decorative coating with metallic effect

Description

The *PUROMETALLO* range consists of decorative compounds based on precious metals and water-based resins. The formulation of the products allows them to obtain exclusive metallic effects, smooth or textured and an high gloss finishing.

Features

All products in the *PUROMETALLO* range allow the creation of exclusive textures, transforming the surfaces treated into real metal. The exclusive composition of the tri-component pastes also allows modulating their chromatic shades and texture in order to provide the applicator an endless creative freedom. The pastes can be applied by spatula, roller or brush and can be mirror polished, rough processed or in an oxidized finish (only Iron-Ferro).

The Product line consists of the following colours:

- *Oro - (Gold)*
- *Bronzo - (Bronze)*
- *Rame - (Copper)*
- *Peltro- (Gold)*
- *Ferro- (Iron)*
- *Corten (Activated Iron).*

When hardening occurs, *PUROMETALLO* creates a precious metal surface, resistant to and unassailable by moulds and bacteria.

Uses

PUROMETALLO has been developed as a coating for walls and ceilings in shops, reception areas and furnishings.

We do not recommend using it on floors or in the presence of high humidity.

PUROMETALLO, with adequate prior preparation of the substrate, is applicable on:

- New and old mortar and lime-based plasters
- Plasterboard surfaces
- Concrete surfaces
- Wooden, chipboard, plywood, MDF and similar products capable of accepting the system.
- PVC supports and fibre cement
- metal surfaces

Application

Preparation of the surface.

The substrate shall look uniform, be dry and free of dust and spots from salts. In the presence of mould, the surface should be treated accordingly and these removed or nullified. Remove any possible efflorescence present and any loose friable material including flaking parts of old paints.

Apply one coat of *PUROMETALLO PRIMER* (at least 300 g/m²) as a bonding primer by roller. After 3-6 hours, once completely dry, start to apply *Metal Coat*.

In the event of non-cohesive or crumbling substrates, first apply one coat of *Ideal Binder* diluted with 50% water by roller or brush,

Mixing

Mix Component A with Component B for approximately 2 minutes by low-speed electric mixer until they form a uniform paste of whitish colour. Then, to the mix, add the metal-powder (component C) whilst continuing to mix at low speed until getting a perfectly amalgamated/homogenous mixture. We recommend always using low mixing speeds as the mixing action velocity can affect the product's rate of hardening.

We recommend periodically re-mixing the mixture to maintain its uniformity.

Content proportions:

Component A 10% + Component B 10% + metal powder (component C) 80%.

Application

PUROMETALLO, once having been mixed, can easily be applied undiluted by spatula to obtain a textured effect, or by brush or roller after a proper dilution by 5-10% with water (depending on colour and substrate) for smoother, lamina effects.

Finishing

PUROMETALLO can be brought to the desired brightness and texture. We recommend only using tools provided with a speed regulator and dust removal / respiration system. Clean from dust after each passage.

Roughing

48 hours after application, *PUROMETALLO* has perfectly hardened and is ready to be polished. Start smoothing (with orbital or random orbital sander) using abrasive discs gradually going from 40 through to 400 at the minimum speed available.

Smoothing

Smooth using 600 up to 800 discs, starting with low speed, increasing up to medium speed whilst controlling the disc wear. Roughing and smoothing shall be carried out with continuous movements of the disc. Avoid overheating the surface.

Polishing

Use abrasive sponge-discs from 1.000 up to 3.000, starting at a low speed, slowly increasing until reaching the maximum. Finish the process by brushing the surface with a polishing paste and rotating buffer, once again starting at a low speed and reaching medium speed.

Clean the surface with a microfibre cloth and, if necessary, a neutral detergent.

Application of *PUROMETALLO POLISH* will protect the coating and help keep its original brightness.

CORTEN (Activation of Iron-Ferro)

The application of *METALLO ATTIVATORE* (see technical sheet) on *METALLO IRON-FERRO* creates the CORTEN oxidized effect. Apply Metallo Attivatore no sooner than 24 hours after completion of the Purometallo coating. The surface must have been previously roughened with a 40 abrasive disc and then a 120 grid.

The surface can be protected with *IDEALPU WB EASY*.

Technical Information

Touch drying time:	12 hours at 20 °C
Pot life	30-60 min (depending on temperature)
Ready to be polished:	not before 48 hours at 20 °C
Application temperature:	do not apply at temperatures lower than 10 °C or higher than 30 °C and with over 80% HR.
Non-pigmentable product.	

Consumption

0.8 kg/m² -1.2 kg/m², depending on texture desired and the substrate receiving the system.

Packaging / Storage / Disposal

Tri-component A=1 kg + B=1kg C (metal-powder)=4 kg and 1 kg
Can be stored for up to 12 months in a dry environment, between 5 and 30 degrees.

Precautions

Do not apply on fresh and naturally alkaline substrates, wait for full curing to occur, usually a minimum of four weeks. Do not use in situations where there is a constant presence of humidity or on damp backgrounds. Do not use the product after its potlife, even if the mixture viscosity may appear to allow it to be used.

Changes in production from batch to batch can cause slight chromatic/colour differences.

Due to the production of fine dust during the polishing, the applicator must wear

personal protective equipment (handgloves, glasses, mask, overall)

IMPORTANT:

All information contained in this data-sheet is based on the best practical and laboratory expertise. The customer is responsible for checking the product is suitable for purpose. The manufacturer does not accept any responsibility arising from incorrect application. We recommend testing the products on small areas prior to use on the jobsite. This data sheet replaces and annuls all previous versions. Data may be changed at anytime. We also remind you that Ideal Work products are for professional use only. Ideal Work provides customers with training opportunities upon request. Whoever uses these products without authorisation shall take full personal responsibility and the outcome will be at their own risk.

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