

LIQUID METAL

DECORATIVE COVERING FOR INTERIORS,
BASED ON EPOXY RESINS AND POWDERS
METALLIC

PRODUCT PROPERTIES

LIQUID METAL is a decorative coating formulated based on special twocomponent epoxy resins, metal powders and quality additives which give it the following characteristics: high resistance to abrasion, scratches and impacts - excellent adhesion to the substrate - high gloss - excellent workability.

FIELDS OF USE

LIQUID METAL is suitable for decorating internal surfaces in masonry, plaster, concrete, brocment, plasterboard, old synthetic or mineral paints, wood and rigid PVC.

LIQUID METAL allows you to create decorative material effects with a high brilliance (metallic effect).

TECHNICAL FEATURES

SPECIFIC WEIGHT:

LIQUID METAL Component "A": 1.02 ± 0.05 Kg/Lt

LIQUID METAL Component "B": 1.08 ± 0.05 Kg/Lt

VISCOSITY:

Pasty product.

THEORETICAL YIELD PER HAND:

0.5 - 1.7 kg/m². (the yield may vary depending on the roughness, porosity and absorption of the substrate). It is advisable to determine the actual yield with a preliminary test on the specific substrate.

HOW TO USE

MIXTURE PREPARATION:

Mixing ratio: 0.4 l LIQUID METAL Component "A" + 0.2 l LIQUID METAL

Component B + 2 kg LIQUID METAL Component "C" metal powder (Copper - Brass - Bronze - Silver).

To prepare the mixture, pour Component "B" of LIQUID METAL into the relevant Component "A" while stirring; for mixing, use a mechanical mixer equipped with a suitable propeller and mix until completely homogenized.

Subsequently, gradually add Component "C" (metallic powder) under continuous mechanical stirring until a homogeneous and lump-free mixture is obtained. The mixing of the components cannot be done manually; it is recommended to stir the mixture periodically to maintain the homogeneity of the mixture.

DOUGH LIFE:

approximately 30 minutes at 25° C, RH=60%.

SUBSTRATE PREPARATION:

On new surfaces: make sure the substrate is well seasoned (at least 28 days), clean thoroughly, eliminating all traces of dust and/or release agents and apply a coat of UNIFOND appropriately diluted.

On already painted surfaces: remove all traces of polluting substances, fill any imperfections, sand, dust and then proceed according to the same operating procedures described for new surfaces.

In the presence of non-cohesive or powdery substrates, apply a coat of appropriately diluted ACRYL SEALER before the UNIFOND primer.

APPLICATION:

LIQUID METAL can be applied with a stainless steel spatula. During application, it is recommended to periodically mix the mixture to avoid stratification of the product.

SANDING AND POLISHING:

To obtain the typical metal aesthetic effect, it is necessary to smooth and polish the applied product using tools equipped with a speed variator and connectable to a dust extraction system. It is possible to smooth the surface when the product is completely dry; use the 150, 320, 500, 800 abrasives in sequence. Start sanding with abrasive 150 at low speed and then use the other abrasives by modulating the speed. Then continue with the polishing of the surface using abrasive discs of 1500, 3000, 5000 always modulating the speed of the tool. After polishing, clean the surface with a microfiber cloth.

DILUTION:

ready-to-use product.

DRYING at 20°C and 65% RH:

touch dry after approximately 6 - 8 hours, sandable after approximately 24 hours.

TIME BETWEEN ONE COAT AND THE OTHER:

approximately 12 hours at 20° C.

ENVIRONMENTAL CONDITIONS:

the product must be applied at temperatures (of the environment and/or the substrate) between 8°C and 30°C and in the absence of imminent rain. Avoid application on sunny walls, in the presence of fog and relative humidity above 80%.

WARNINGS AND RECOMMENDATIONS:

it is recommended to apply the product in favorable weather conditions as indicated above. Applying the product in



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unsuitable weather conditions negatively affects drying times, compromising the achievement of optimal aesthetic and performance characteristics.

Do not apply the product in the presence of surface condensation, salt evaporation or rising damp.

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

CLEANING OF TOOLS:

with epoxy thinner immediately after use.

SALES PACKAGES:

Liquid Metal component A: 0.4 l

Liquid Metal component B: 0.2 l

Liquid Metal component C (metal powder): 2 kg

AVAILABLE COLOURS:

LIQUID METAL is available in copper - brass - bronze - silver and colour chart colours.

CONSERVATION AND STORAGE:

If the product is stored in a cool, dry place, protected from frost, it will keep for at least 18 months from the date of purchase.

NOTE:

This document has been written to the best of our technical and scientific knowledge.

Di Donato Spa assumes no responsibility for the results obtained from the use of this product as the conditions and methods of application are beyond our control.

We therefore recommend that you first check the suitability of the product for your specific case.

