

METALIUM EFFECT

Liquid Metal Decorative Coating

METALIUM EFFECT is a water-based, binder-based, resin-modified decorative metal-effect coating containing micronized pure metal powders.

It consists of Components A, B, C and Metalium Effect Wax.














Creates different color appearances depending on the type of metal powder it contains.

Its special resin structure prevents mold and bacterial growth.

Its metallic nature provides high gloss and mirror effect.

Water-based; environmentally friendly and safe for human health.

 CONTENT: <i>Acrylic-based - water-based</i>	 PACKAGING: <i>4 KG Set</i>
 THINNING: <i>Ready to use; do not dilute.</i>	 DRYING TIME: <i>Drying Time Touch dry (at 23°C): 24 hours</i> <small>*drying time may be longer at higher relative humidity and lower temperature.</small>
 PRIMER: <i>San Deco Uniprimer</i>	 Fully Dry: <i>48 hours</i>
 APPLICATION TOOL: <i>Steel trowel, polishing machine</i>	 COLORING: <i>-</i>
 NUMBER of COATS: <i>1</i>	 VOC: <i>EU Limit Value (Directive 2004/42/EC)</i> <i>Category A/j: Two-component reactive performance coatings for specific uses such as floors (water-based): 140 g/L (2010)</i> <i>METALIUM EFFECT: maximum VOC content: 0 g/L</i>
 STORAGE and SHELF LIFE: <i>Unopened packaging may be stored for 2 years at +5°C to +35°C in a cool and dry place protected from direct sunlight.</i>	

CONSUMPTION : *Consumption may vary depending on the type, absorbency, and structure of the surface, as well as application techniques. For precise consumption, a controlled sample application should be performed.*



Including Components A, B and C (with metal powder):
1 kg of product covers 0,500-0,670 m² of surface.
Required amount for 1 m²: 1500-2000 g.
Metalium Effect Wax consumption: 50-60 g/m².

APPLICATION AREA

Applied for decorative purposes on interior surfaces.

SURFACE PREPARATION

All dirt, oil, loose and peeling paints, and dust must be cleaned from the application surface. Surface defects should be repaired with San Deco Acrylic Putty Fine, then primed with San Deco Uniprimer.

SURFACE CONDITIONS

During application and until full drying is completed, surface and ambient temperatures must be between +5°C and +35°C.

Ambient humidity must be below 75%.

Surface moisture content must be below 10%.

APPLICATION

Before application, Components A and B are poured into an empty container and mixed for about 3 minutes. While mixing continues, Component C (metal powder) is added slowly.

Mixing must be performed using a hand mixer until a fully homogeneous mixture is obtained.

The product should be applied to the surface using a steel trowel in the desired pattern and effect.

After hardening depending on ambient temperature (approximately 24-48 hours), sanding operations begin.

Sanding Process

A total of 8 different sandpaper grits are used, progressing from coarse to fine, in 3 stages:

1st Stage:

220, 320, 400 grit (minimum speed: 1000 rpm)

2nd Stage:

500, 800 grit (minimum speed: 1000 rpm)

3rd Stage (Polishing Stage):

1500, 3000, 6000 grit (2000 rpm or higher)

Dust remaining after each sanding step should be removed with a dry cloth.

After achieving the desired polish, the surface is cleaned with a dry cloth again.

Final Step

For enhanced gloss and reflectivity, Metalium Effect Wax is applied and the surface is fully polished to complete the process.

Additional Notes

Since metal powders are natural, slight particle-level color variations may occur, but no noticeable differences appear in the final product.

If multiple batches are used in the same project, to prevent batch-related differences, mix all batches together before application.

Local retouching is not recommended. If retouch is required, the entire damaged surface should be reapplied.

HAZARD & PRECAUTIONARY STATEMENTS AND DESCRIPTIONS

Component A:

H319 Causes serious eye irritation.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Component B:

H318 Causes serious eye damage.
H315 Causes skin irritation.
EUH071 Corrosive to the respiratory tract.
EUH208 Contains: m-phenylenebis(methylamine)

Component C:

Bronze:
H302 Harmful if swallowed.
H410 Very toxic to aquatic life with long lasting effects.
Copper:
H302 Harmful if swallowed.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
Tin:
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
Brass:
H302 Harmful if swallowed.
H410 Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS AND DESCRIPTIONS

Component A:

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P333 + P313 If skin irritation or rash occurs: Get medical advice / attention.
P337 + P313 If eye irritation persists: Get medical advice / attention.
P264 Wash ... thoroughly after handling.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P280 Wear protective gloves / eye protection / face protection.
P273 Avoid release to the environment.
P391 Collect spillage.
P321 Specific treatment required (see label).
P272 Contaminated work clothing should not be allowed out of the workplace.
Contains: Reaction product: bisphenol-A-(epichlorohydrin) oxirane, mono[(C12-14-alkyloxy)methyl] derivatives

Component B:

P264 Wash ... thoroughly after handling.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P280 Wear protective gloves / eye protection / face protection.
P310 Call the National Poison Helpline (114) or a doctor / physician immediately.
P321 Specific treatment required (see label).
P362 + P364 Take off contaminated clothing and wash it before reuse.

Component C:

Bronze:
P264 Wash ... thoroughly after handling.
P273 Avoid release to the environment.
P391 Collect spillage.
P270 Do not eat, drink or smoke when using this product.
P330 Rinse mouth.
P301 + P312 IF SWALLOWED: Call the National Poison Helpline (114) / doctor / physician if you feel unwell.

Copper:

P264 Wash ... thoroughly after handling.
P273 Avoid release to the environment.
P391 Collect spillage.
P270 Do not eat, drink or smoke when using this product.
P330 Rinse mouth.
P301 + P312 IF SWALLOWED: Call the National Poison Helpline (114) / doctor / physician if you feel unwell.

Tin:

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P280 Wear eye protection / face protection.
P312 Call the National Poison Helpline (114) / doctor / physician if you feel unwell.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P271 Use only outdoors or in a well-ventilated area.
P405 Store locked up.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P264 Wash ... thoroughly after handling.

Brass :

P264 Wash ... thoroughly after handling.
P273 Avoid release to the environment.
P391 Collect spillage.
P270 Do not eat, drink or smoke when using this product.
P330 Rinse mouth.
P301 + P312 IF SWALLOWED: Call the National Poison Helpline (114) / doctor / physician if you feel unwell.

Note: For more information, please refer to the product's Safety Data Sheet (SDS).