

METAL EFFECT DECORATIVE PAINT



DESCRIPTION

METALIUM EFFECT is a water-based, special binding-based, decorative metal effect metal coating material that contains micronized pure metal powder.

APPLICATION AREA

It is applied for decorative purposes on internal wall surfaces of buildings.

SURFACE PREPARATION

After all kinds of dirt, oil, bloated paints and dust are cleaned from the surfaces it will be applied on, surface defects should be smoothed with SAN DECO ACRYLIC PUTTY INTERIOR and primed with SAN DECO UNIPRIMER.

The Product

Composition	Acrylic Based, Metal Powder
Density	3.20 g/cm ³
	26,70 lbs./gallon
Storage Temperature	5 °C + 35 °C 41 °F + 95 °F
Emission Limits of Volatile Organic Compounds (VOC) According to Directive 2004/42/CE	Subcategory: L VOC: 0 g/l (max); Limit Phase : 200 g/l
Theoretical Coverage (Single Coat)	65 – 87 sq. Ft/gallon
	1,6 – 2,14 m ² /L
Weight Per Gallon	26,70 lbs.
Packaging	1 Quart

FEATURES

- According to the characteristic of the metal powder contained in it, different colors form.
- Due to its special resin structure, it prevents the formation of fungi and bacteria.
- It is applied with a steel trowel and patterned.
- It can perfectly be sanded.
- Due to its metallic characteristic, it derives a high glare and mirror effect.
- Metalium Effect is composed of components A,B,C and metalium effect wax.
- It is water-based.

The Application

Dilution	Ready To Use
Surface Preparation	San Deco Acrylic Putty Interior
Primer	San Deco Uniprimer
Application Tools	Steel Trowel, Sandpaper
Touch Dry Time	24 Hours
Complete Dry Time	48 Hours
Dry Time Temperature	23 °C - 73.4°F (relative humidity at 50%)
Application Temperature (24 hours during and after the application)	5 °C + 35 °C 41 °F + 95 °F

APPLICATION INSTRUCTION

- Before application, components A and B are transferred to an empty container, mixed for about 3 minutes, and component C (metal powder) is gradually added while continuing to mix.
- Mixing should be carried out with a hand mixer and continue until the mixture becomes homogeneous.
- The mixture must be applied within 30 minutes after the process is completed.
- The product should be applied to the surface to be applied with a steel trowel in the desired effect and pattern. After hardening is ensured according to the ambient temperature (approximately between 24-48 hours), sanding is moved on with.
- The sanding process consists of a total of 8 different sizes of sandpaper, it goes from thick to thin and consists of 3 stages. The first 2 stages are performed at the minimum speed (1000 rpm) and it is possible to go up to 2000 rpm or more from the 3rd stage (1500 sanding).
 1. At the stage, the sanders are used, respectively are: 220, 320 and 400.
 2. At the stage, the sanders are used, respectively are: 500 and 800.
 3. The sizes of sandpaper used at the polishing stage, respectively are: 1500, 3000 and 6000.
- Between each sanding, the dust remaining on the surface is removed with a dry cloth and the surface is decontaminated with a dry cloth after the desired polishing is ensured.
- At the last stage, metalium effect wax is applied to the surface for more effective gloss and reflection, and the entire surface is polished and the process is completed.
- Since metal powders are natural metal powders, no noticeable tonal differences are observed in the final product, even if there is a party related color difference in the powders.
- It should be paid attention that the ambient temperature should be minimum +5°C/41 °F, and maximum +35°C/41 °F within 24 hours during and after the application.

DRYING TIME

At 23°C/73.4°F, the touch dry time is 24 hours and the complete drying time is 48 hours.

THEORETICAL CONSUMPTION

Depending on the surface smoothness, absorbency and application techniques, the coating consumption (A, B and C components (including metal powder) an area of

-0.50 - 0.67 m² is painted with 1 kg of product.

-Paint consumption for an area of 1 m² is 1500 - 2000 gr.

-Metalium effect wax consumption is (50-60) gr/m².

STORAGE

It can be stored in its unopened package, cool and dry environments, protected from direct sunlight at between +5°C/41 °F and +35°C/41 °F.

**Hazard Statement and Description for Component A**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 Causes allergic skin reactions.

H319 Causes serious eye irritation.

H411 Long lasting, toxic effect in the aquatic environment.

Precautionary Statements and Description for Component A

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash with plenty of soap and water after handling.

P272 Do not take contaminated clothing out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

IF P302 + P352 ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse carefully with water for several minutes. Remove contact lenses if fitted and easy to do. Continue rinsing.

Hazard Statement and Description for Component B

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements and Description B Component

P264 Wash thoroughly with soap and water after handling.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P332 + P313 If skin irritation occurs: Get medical attention / attention.

P337 + P313 If eye irritation persists: Get medical attention / attention.

EUH205 Contains epoxy components. May cause allergic reactions.

Hazard Statement and Description for C Component

H400 is very toxic in the aquatic environment.

H410 Long lasting, very toxic effect in the aquatic environment.

H412 Long lasting, harmful effect in aquatic environment.

Precautionary Statements and Description for C Component

P273 Avoid release to the environment.

P391 Collect spillages.

P501 Dispose of contents / container to local / regional / national / international regulations.

Note: For more information, please check the Safety Data Sheet (SDS) of the product

Product Technical Data Sheet No. DP. 024.US - Rev01 January 2022

Since this technical sheet is prepared on the basis of laboratory data under normal conditions, consult the technical staff for details that are not sufficient above. Otherwise, errors that will occur as a result of insufficient information do not impose responsibility on the manufacturer. Deka Boya San. ve Tic. A.S. reserves the right to change this information. If necessary, you can find detailed information about the health safety-transportation risks and precautions of the products from the Material Safety Data Sheet.

This product is produced by Deka Boya Sanayi ve Tic. A.S. who is also certified by the standards of ISO 9001, ISO 14001, ISO 27001, ISO 45001.