

Monocoat FD – Metallic Effects

[Sparks – Glittering and Metallic RAL Shades]

Sparks is a single component synthetic formula based on unique metal pigments and serving as topcoat with elegant glittering or subdued metallic effects.

Features

Providing a spectacular metal effect in various textures for optimal results in an elegant look; Best applied as spray-on; Outstandingly fast drying; Highly resistant to corrosive urban and light industrial environments.

Applications

Painting under high cost effectiveness and time saving requirements, where metal parts need handling and transporting within the day, protected from mechanical impact;
 Painting of frame and maintenance works, metal and building constructions, concrete pillars, latticework, fences, banisters, gates, decorative items (lampshades, lighting fixtures, fans), office furnishings, electrical appliances and metal fixtures in urban and light industrial environments;
 Not to be used in direct contact with concrete or cement surfaces except over a suitable primer.

Technical Data

Product code:	Metal base 464-008, colored 464-009, metallic RAL shades 464-014, colored 464-016.	
Color:	A wide variety of shades over the Sparks spectrum of glittering metal effects and RAL metal shades.	
Gloss:	Metal.	
Percent solids (volume):	40±2 by volume.	
Calculated coverage*:	6 – 10, respectively, 4 – 60 μ thick.	
Thinning:	Spray-on: 1-32; brush-on: thinner 18.	
Drying times:	To touch**: 15 minutes; hard dry: 12 hours; interval between coats: 15 minutes or longer/	
Shelf life:	24 months.	

Quantity per surface:	Package size	Quantity per surface
	1 liter	576 ea
	5 liters	80 ea
	18 liters	27 ea

Surface and Paint Preparation

Indoor whitewashed surfaces:

Remove any free, flaking, peeling or bulgy lime coats. Rub smooth with sandpaper and clean well of dust, Apply one coat of Bondroll Super, then allow to dry for 4 hours. Apply two coats of Monocoat FD.

Iron and steel:

Sandblast the metal surface to grade Sa-2.5 (Swedish standard). For a typical paint system dry thickness of 120 μ, secure a roughness depth of 30-40 μ. Where impractical, abrade mechanically to grade ST-3.

Galvanized steel and aluminum (untreated):

Sandblast the surface to a profile depth of 7-15 μ and to a complete matt finish. Where impractical, abrade the surface mechanically. Neglect to mechanically abrade the surface will reduce the system's life and may induce immediate failure. To prepare as above, clean of any zinc acids, grease and other foreign matter.

General:

Where none of the surface treatments above are practical, use a suitable thinner to clean all metal surfaces of loose coats and grease.

On galvanized metals and aluminum surfaces, use fresh water for optimal removal of all acids. This is by no means a recommended substitute for the thorough treatments above, but rather the minimum necessity.

Metal and rust:

Remove all flaking rust mechanically to a surface treatment grade of ST-3 (Swedish standard). Now rinse with fresh water, allow to dry fully, then continue painting. Primer must be used.

Concrete:

Allow to cure for 28 days. Remove all flaky matter, rinse with water pressure at 120 atm, then allow to dry fully. In these applications, use an FD Monocoat or Galvacoat concrete primer, or a 60 μ thick binder.

Paint System

For best durability, apply FD Monocoat – Metallic Effects over a min. 40 μ (dry thickness) primer. Suitable primers are Galvacoat, Super Durable Primer, Fast Painting Primer, Fast Primer, Rust Fighter or Multipurpose Primer.

Method of Application

Method	Atm. Pressure	Nozzle Diameter	Thinner	% Thinning (Volume)
Brush/ roll			18	Up to 10%
Standard spraying	3-5		1-32	Up to 15%
Airless spraying	3-5	0.015-0.021"	1-32	Up to 7%

Spray-on application will secure maximum uniformity. Good brush-on results will mostly be obtained on narrow surfaces (e.g. latticework and banisters).

Recommended Dry Film Coat Thickness

Cleaning thinner:

Thinner 1-32 or 18.

General painting instruction:

Stir well before and during use.

Caution

To use and apply the product, follow all safety, health and environmental regulations as applicable in the State of Israel. Review safety instructions and warnings as provided in the MSDS (obtainable from the Tambour Safety Department on 972-4-9877483) and on the product label. Keep away from flames and sparks. Do not intake. Secure adequate ventilation of the work area. In spray-on applications, do not inhale the fumes. Use adequate protective equipment. See MSDS.

General Comments

Do not mix the product with any materials other than as recommended by the manufacturer. To secure the best results, apply the product correctly, following application instructions as provided. Before use, verify product's fit for the intended purpose. Also verify adequate treatment and suitability of the surface and substrate for the application of the product.

The data herein are based on extensive experience and knowledge. The manufacturer reserves the right to revise and/or change them without notice.

* The actual coverage varies with the surface properties, the painting method, the user's skill and the ambient conditions. It is normally assumed to amount to approximately 75% of the calculated coverage.

** At 25°C, RH 65%.