

Metallic Effect Enamel 670

Quick-drying alkyd resin paint, silk matt,
in attractive metallic color shades, for interior and exterior use

Farbsystem



Field of application

For protective, effective metallic paint coatings on primed exterior and interior metal surfaces. Especially suitable for paint coatings on primed metal components, e.g., door frames.

Properties

- Special metallic protective paint with fine, silk matt gloss
- Based on alkyd resin
- Quick-drying
- Block-resistant
- High-yield
- In attractive metal effect color shades
- Excellent hiding power
- For interior and exterior use

Material description

Standard color shades	Scala No.	Description
	51.ME.01	7135 DB 703 dark gray
	60.ME.01	RAL 9006 white aluminum
	75.ME.02	RAL 9007 gray aluminum
A number of additional color shades can be mixed using the Brillux Color System, in accordance with the Scala color card "Paints, Metallics, Prime Coats".		
Degree of gloss	Silk matt	
Base material	Medium oil alkyd resin	
VOC	EU limit value for this product (Cat. A/i): 500 g/l (2010). This product contains max. 500 g/l VOC.	
Flash point	+23°C	
Density	Approx. 0.98 g/cm ³	
Packaging	750 ml, 3 l	

- Thinning** If necessary, thin with Special Synthetic Resin Thinner 915. For thinning, add max. 17 volume%.
- Tinting** Do not tint.
- Compatibility** Can only be mixed with similar materials and those specified in this data sheet.
- Application** Stir thoroughly before and during use. Preferably apply Metallic Effect Enamel 670 by spraying. For a uniform, streak-free surface finish, apply the Metallic Effect Enamel 670 several times wet in wet in one direction (in vertical alignment), with sufficient distance from the surface.
- To create an evenly covering surface, for spray application, we recommend a prime or intermediate coat with Metal Primer 850 or 2K-Epoxi Varioprimer 865 or 2K-Epoxi Varioprimer S 864 in the standard Scala color shade, 27.12.24 (8101 red brown). On smaller areas, brush or roller application is also possible. We recommend test applications to assess the surface.
- Apply evenly to the material with a foam roller, in one direction. Streakiness or cloudiness cannot be ruled out.
- Consumption** Approx. 150 ml/m² per layer, in spray application. About 80-100 ml/m² per layer for brush and roller application. Determine the exact consumption by means of a test application on the object to be coated.
- Application temperature** Do not apply if air or object temperature is below +10°C.
- Tool cleaning** Clean with Special Synthetic Resin Thinner 915 immediately after use.

Spray data

Spray system	Nozzle	Spray angle	Supply air/air quantity	Material pressure/material quantity	Thinning	Application (vertical)
Low pressure ¹⁾	Yellow front end ²⁾	–	100%	Ring setting 5–6	Approx. 15%	3–4
High pressure	1.6 mm	–	–	3.5–4 bar	Approx. 10 %	3–4
AirCoat ³⁾	0.009–0.011 inch	–	3–4 bar	200 bar	Approx. 5%	3–4

The data is based on substrate and ambient temperatures of +20°C.

¹⁾ Information relating to XVLP technology with Wagner FinishControl FC 3500 or FC 5000.

²⁾ StandardSpray spray attachment (yellow) for all standard enamel paints and woodstains. Also keep the nozzle clean during application. Remove surface-dried paint material with a soft paint brush. Follow the equipment manufacturer's instructions.

³⁾ Information related to the use of AirCoat nozzles 9/40 or 11/40 (red cap).

Drying (+20°C, 65% relative humidity)

Dust dry after approx. 4-5 hours. Recoatable after about 24 hours. Allow for longer drying time if the temperature is lower and/or the humidity is higher.

Storage

Store in a cool and dry place. Reseal opened containers tightly.

Declaration

Product code BSL30
Comply with the specifications in the current Safety Data Sheet.

Coating build-up

Substrate preparation The substrate must be solid, dry, clean, with good adhesiveness, load-bearing, and free from separating agents. Check existing coatings for their suitability, load-bearing capacity, and adhesive properties. Thoroughly sand intact old coatings. Thoroughly remove defective and unsuitable coatings, and dispose of them in accordance with the applicable regulations. Hazardous particles and vapors may be released when reworking or removing old paint coats, e.g. as a result of sanding, paint removal by heat gun, etc. Perform such work only in well ventilated areas and ensure the use of appropriate protective equipment (including respiratory protective equipment) as required. Degrease and derust iron. Clean and pretreat zinc and zinc-coated surfaces with Universal Cleaner 1032 in accordance with BFS Leaflet No. 5. Pretreat, prime and/or apply intermediate coats to the substrate, as required. Also see VOB Part C, DIN 18363, Paragraph 3.

Coatings on iron/steel components, exterior and interior

Substrates	Prime coat ¹⁾	Intermediate coat	Top coat
Iron/steel components, untreated	Metal Primer 850	Metal Primer 850	Depending on individual requirements, 1–2x Metallic Effect Enamel 670
Iron/steel components, factory-primed	Prepare defects with Metal Primer 850		
Iron/steel components, with intact, load-bearing old coating			

¹⁾ For coil coating, powder coating, and two-component coatings as well as anodized aluminum, we recommend thoroughly priming with 2K-Epoxy Varioprimer 865 or 2K-Epoxy Varioprimer S 864.

Coatings on zinc, galvanized steel, exterior and interior

Substrates	Prime coat ¹⁾	Intermediate coat	Top coat
Zinc, zinc-coated components, exterior, untreated	2K-Epoxi Varioprimer 865, 2K-Epoxi Varioprimer S 864 or 2K-Aqua Epoxy Primer 2373	2K-Epoxi Varioprimer 865, 2K-Epoxi Varioprimer S 864 or 2K-Aqua Epoxy Primer 2373	Depending on individual requirements, 1–2x Metallic Effect Enamel 670
Zinc, zinc-coated components, interior, untreated	2K-Epoxi Varioprimer 865, 2K-Epoxi Varioprimer S 864 or 2K-Aqua Epoxy Primer 2373		
Aluminum (bare metal), untreated, exterior and interior			
Zinc, galvanized components, aluminum exterior and interior with intact, load-bearing old coating	Apply 2K-Epoxi Varioprimer 865, 2K-Epoxi Varioprimer S 864 or 2K-Aqua Epoxy Primer 2373 to defects	Metal Primer 850	

¹⁾ For coil coating, powder coating, and two-component coatings as well as anodized aluminum, we recommend thoroughly priming with 2K-Epoxi Varioprimer 865 or 2K-Epoxi Varioprimer S 864.

Notes

In case of mechanical stress

Pigment abrasion of metallic paint coatings cannot be excluded as a result of mechanical stress. However, this does not influence the functionality of the coat.

Creating test areas

We recommend creating test areas using the specified application method to assess the surface effect of metal effect color shades and examining them on site. Refer to BFS Leaflet No. 25.

Use, interior

Ensure proper ventilation during application and drying in interior areas.

Excluded field of application

Not for painting chairs, shelves, table tops, etc., or components exposed to extreme mechanical stress.

Do not apply to the inner surfaces of furniture

Do not paint the inner surfaces of furniture and cabinets with alkyd resin paints because of the potentially unpleasant odor.

Cleaning and care

For cleaning the painted surfaces, use a clean, soft cloth, dry or damp, without abrasive, solvent-based or caustic agents. Clean without applying excessive pressure (do not polish the surfaces). Perform a test cleaning beforehand in an inconspicuous area. Only clean surfaces that have completely dried and cured.

Further information

Follow the instructions on the data sheets of the products used.

This Data Sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

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