

Metallic-Effect 672

Sprayable alkyd resin enamel, silk matt, in attractive metallic and DB color shades, for interior and exterior use



Color System

Field of application

For protective, metallic effect coatings on primed metal surfaces indoors and outdoors and primed wood surfaces indoors. Particularly suitable for painting on primed metal components, e.g. door frames.

Properties

- special metal protective paint
- premium, silk matt or matt
- based on alkyd resin
- quick drying
- can be applied efficiently by spraying
- block resistant
- high yield
- very good flow properties
- available in attractive metallic color shades
- excellent hiding power
- complies with EN 71-3 Safety of toys, resistant to saliva and perspiration
- Tested according to requirements of AgBB evaluation schemes
- for interior and exterior use

Material description

Color shades	Scala no.	Description
	42.ME.01	DB 701 silver gray
	60.ME.01	RAL 9006 white aluminium
	A number of additional color shades can be mixed with the Brillux Color System.	
Gloss grade	silk matt, DB color shades matt	
Base material	alkyd resin	
VOC	EU limit for this product (Cat. A/i): 500 g/l (2010). This product contains max. 500 g/l VOC.	

Material description

Flash point	+37°C
Density	Approx. 0.9–1.3 g/cm ³
Packaging	750 ml, 3 l

Use

Thinning	If necessary, dilute with Special Synthetic Resin Thinner 915. Maximum addition of thinner: 10% by volume.
Tinting	No tinting.
Compatibility	Can only be mixed with materials of the same type and those specified in this data sheet.
Application	<p>Stir thoroughly before and during use. Metallic Effect 672 should preferably be applied by spraying. For the most uniform, streak-free surface finish possible, apply Metallic-Effect 672 several times wet-on-wet at a sufficient distance from the surface in one direction (vertical alignment).</p> <p>To create an evenly covering surface, we recommend applying the primer and intermediate coat in the standard color Scala 27.12.24 (8101 red-brown).</p> <p>Brush or roller application is also possible on smaller surfaces. We recommend creating test areas to assess the surface.</p> <p>Apply the material evenly using a foam roller and roll in one direction. The possibility of streakiness or cloudiness cannot be ruled out.</p>
Consumption	<p>Approx. 150 ml/m² for each coat of spray application</p> <p>Approx. 80–100 ml/m² per coat using brush or roller application</p> <p>Determine the exact consumption by means of a test application on the object to be coated.</p>
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 3–5	Approx. 10%	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	160 bar	Approx. 5%	3–4

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

¹⁾ Information relating to XVL technology with Wagner FinishControl FC 3500 or FC 5500.

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

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

Exception: when processing DB shades with iron mica, use a green plug-in filter and a large nozzle, at least 11/40.

Drying (+20°C, 65% relative humidity)

Dust dry after approx. 4–5 hours. Recoatable after approx. 24 hours. Allow longer drying times at lower temperatures and/or higher air humidity.

Storage

Store in a cool and dry location. 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 the suitability, load-bearing capacity and adhesive properties of existing coatings.
 - Degrease and derust iron
 - Prepare zinc, galvanized surfaces by cleaning them with Universal Cleaner 1032 or with ammoniac washing fluid (in accordance with BFS Leaflet No. 5, Paragraph 3.3)
 - Clean bare metal aluminum with Universal Cleaner 1032 and a nonwoven abrasive, then rinse thoroughly with warm water. When treating aluminum, follow the instructions in BFS Leaflet No. 6
 - 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 while reworking or removing old paint coats, e.g. as a result of sanding, paint removal by heat gun, etc. Only perform this kind of work in well ventilated areas and ensure the use of appropriate protective equipment (including respiratory protective equipment) as required
 - See also VOB Part C, DIN 18363, Section 3

Untreated iron/steel components, indoors and outdoors

Substrates	Prime coat ¹⁾	Intermediate coat	Top coat
Iron/steel components, untreated	Adhesion Primer 850	Adhesion Primer 850	Depending on the requirements 1–2x Metallic Effect 672
Iron/steel components, with factory prime coat	Damaged areas with Adhesion Primer 850		
Iron/steel components, with intact, load-bearing old coating			
Coil coating ¹⁾ as well as intact powder coatings and two-component coatings	2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864	-	

¹⁾ The suitability of coil coatings is to be evaluated on site on a case-by-case basis.

Coating build-up

Coatings on zinc, galvanized steel, aluminum, interior and exterior

Substrates	Prime coat ¹⁾	Intermediate coat	Top coat
Zinc, galvanized components, exterior, untreated	2K-EP Varioprimer 865, 2K-EP Varioprimer S 864 or 2K-Aqua EP Primer 2373	2K-EP Varioprimer 865, 2K-EP Varioprimer S 864 or 2K-Aqua EP Primer 2373	Depending on the requirements 1–2x Metallic Effect 672
Zinc, galvanized components, interior, untreated	2K-EP Varioprimer 865, 2K-EP Varioprimer S 864 or 2K-Aqua EP Primer 2373		
Untreated bare metal aluminum, interior and exterior			
Zinc, galvanized components, aluminium interior and exterior with intact, load-bearing old coatings	Damaged areas with 2K-EP Varioprimer 865, 2K-EP Varioprimer S 864 or 2K-Aqua EP Primer 2373	Adhesion Primer 850	

Interior coats on wood

Substrates	Prime coat ¹⁾	Intermediate coat	Top coat
Wooden components, wooden materials, untreated, interior	Impredur Primer 835	Impredur Primer 835	Depending on the requirements 1–2x Metallic Effect 672
Wooden components, wooden materials, interior, with intact old coatings	Treat defective areas with Impredur Primer 835		

¹⁾ Depending on the individual requirements in interior areas, e.g. Enamel Filler 518 can be used to fill surfaces after priming.

Notes

Sample coating

Because the appearance of the color can vary greatly depending on the application method, lighting, and viewing angle, the exact shade can only be reliably assessed under real conditions. We therefore recommend applying the effect coating using the intended method on a test area and evaluating the surface appearance on-site. Refer to BFS Leaflet no. 25.

Abrasion in the event of mechanical stress

Pigment abrasion cannot be excluded as a result of mechanical stress. However, this does not influence the functionality of the coat. Due to their matt surface, DB shades have a clear writing effect and polishability. In individual cases, we recommend testing a colorless protective coating with 2K-Aqua Matt Enamel 2390 and sampling in advance.

Notes

Application indoors	Ensure proper ventilation during application and drying indoors.
Excluded field of application	Not for painting chairs, shelves, table tops, etc. or components exposed to extreme mechanical stress.
Not suitable for interior surfaces of furniture	Do not paint the inner surfaces of furniture and cabinets with alkyd resin enamel paints due to the potentially unpleasant odor.
Cleaning and maintenance	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 in the data sheets of the products used.

Remark

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.

When a new version of this data sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

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