

Aluminiumbronze 283



Metallic-gloss, very heat-resistant, with particularly bright metal effect, for interior use

Field of application

For silvery glossy coatings on metal surfaces, wooden or metal surfaces that have already been primed, coatable plastics (e.g., hard PVC), intact old coatings, etc. in interior areas, e.g., on furnace pipes, heating systems, motor parts, decorative grating, etc.. Ideal for decorating picture frames and room decorations.

Properties

- Metallic-gloss aluminum protective paint
- Based on natural resin
- Good hiding power
- For interior use
- Temperature resistant up to +400°C (dry heat)
- Becomes touch and wipeproof on untreated iron/steel surfaces after stoving (from approx. 240°C/30 min.)
- Is characterized by a particularly bright metallic effect

Material description

Color shade	Silver
Degree of gloss	Metallic gloss
Base material	Natural resin, with aluminum pigments
VOC	EU limit value for this product (Cat. A/i): 500 g/l (2010). This product contains max. 500 g/l VOC.
Flash point	+27°C
Density	Approx. 0.95–1.05 g/cm ³
Packaging	2.5 l

Use

- Thinning** Do not dilute.
- Tinting** Do not tint.
- Compatibility** Can only be mixed with similar materials and those specified in this data sheet.
- Application** Aluminumbronze 283 should preferably be applied with a brush. Stir thoroughly before and during use. In the event of roller application, always apply in the same direction.
If Aluminumbronze 283 is to be stoved, the instructions in the note must be followed.
- Consumption** Approx. 50-60 ml/m² per layer. 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 +5°C.
Best applied at +18°C up to +25°C.
- Tool cleaning** Clean with Special Synthetic Resin Thinner 915 or Quick-acting Brush Cleaner 111 immediately after use.

Spray data

Spray system	Nozzle	Material pressure	Thinning	Cross-spraying
Low pressure	1–1.5 mm	–	Undiluted	1½
High pressure	1.4–1.6 mm	3.5–4.0 bar	Undiluted	1½

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

Drying (+20°C, 65 % relative humidity)

Dust dry after approx. 3 hours. Completely cured after stoving.
After stoving from approx. +240°C, it is touch and wipeproof.
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** BSL50
Comply with the specifications in the current Safety Data Sheet.

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. Remove defective and unsuitable coatings completely, and dispose of them in accordance with the applicable regulations. Sand intact coatings thoroughly. 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. Perform such work only in well ventilated areas and ensure the use of appropriate protective equipment (including respiratory protective equipment) as required. Pretreat, prime and/or apply the intermediate coat to the substrate, as required. Also see VOB Part C, DIN 18363, Paragraph 3.

Coatings on iron/steel

Substrates	Prime coat ¹⁾	Intermediate coat	Top coat
Iron/steel, untreated, up to approx. +400°C	Aluminumbronze 283	Depending on requirements, Aluminumbronze 283	2x Aluminumbronze 283
Iron/steel, untreated, up to max. +60°C	Metal Primer 850 ¹⁾	Depending on requirements and selection Metal Primer 850, Impredur Primer 835 or Impredur Undercoat Tix 120	
Iron/steel, factory-primed, up to max. +60°C	Apply Metal Primer 850 ^{1) 2)}		
Intact, load-bearing coatings	Prime defects depending on the substrate as described above ^{1) 2)}	Depending on the substrate as described above	

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

²⁾ For coil coating, powder coating, and two-component coatings we recommend priming with 2K-Epoxi Varioprimer 865 or 2K-Epoxi Varioprimer S 864 as a general rule.

Coating build-up

Coatings on wood, aluminum, zinc and plastic

Substrates	Prime coat ^{1) 2)}	Intermediate coat	Top coat
Wooden components, Wood-based materials, Untreated, interior	Impredur Primer 835	Depending on the requirements and selection, Impredur Undercoat Tix 120 or Impredur Primer 835	2x Aluminiumbronze 283
Aluminum, zinc and galvanized components, untreated	2K-Aqua Epoxy Primer 2373, 2K-Epoxi Varioprimer 865 or 2K-Epoxi Varioprimer S 864		
Plastics (appropriate duromers and plastomers), untreated	2K-Epoxi Varioprimer 865 or 2K-Epoxi Varioprimer S 864		
Intact, load-bearing coatings	Prime defects appropriately for the substrate as described above	Depending on the substrate as described above	

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

²⁾ For coil coating, powder coating, and two-component coatings we recommend priming with 2K-Epoxi Varioprimer 865 or 2K-Epoxi Varioprimer S 864 as a general rule.

Notes

Thin-layer application Apply Aluminiumbronze 283 in thin layers.

Keep the following in mind when stoving Stoving is only possible on iron and steel substrates and only with a coating build-up of Aluminiumbronze 283. Ensure good aeration and ventilation during the burning in process, as slight smoke and odors are produced. If necessary, shut down smoke detection systems.

In the event of mechanical stress Pigment abrasion of bronze coatings cannot be excluded as a result of mechanical stress. However, this does not influence their functionality.

Further information Follow the instructions on 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.

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Brillux
Weseler Straße 401
48163 Münster
GERMANY
Phone +49 251 7188-0
Fax +49 251 7188-105
info@brillux.de
www.brillux.com