

BESSEMER® METALLIC

Metallic-effect protective roof coating for indoor and outdoor use 2532-a November 2024

Description

Product type: BESSEMER METALLIC is a high-quality topcoat for decorative interior and exterior applications with a metallic surface effect. Particularly suitable for metal claddings on roofs and façades, steel structures, and wrought iron elements.

Field of application: BESSEMER METALLIC is a single-component topcoat for decorative interior and exterior applications with a metallic surface effect. Especially suitable for gutters, downpipes, metal claddings for roofs and façades, wrought iron elements, and steel structures. BESSEMER METALLIC is weather-resistant, offers excellent adhesion, dries quickly, is tough and durable, decorative, and protective.

Colours: 810 natural copper, 811 rustic copper, 910 silver

Packaging: 0.75 l, 2.5 l in metal containers.

Technical data

Binder base: Combination of high-polymer synthetic resins with UV-stabilized copolymers and soft resins.

Density: 0.98–1.13 g/cm³ (20°C), depending on colour

Flash point: > 21° C

Solids by weight: approximately 55%

Recommended dry film thickness: 25-35 µm per coat

Viscosity: approximately 200 sec., DIN 4 mm flow cup (20°C)

Gloss level: metallic gloss

Drying time: (at 23° C, 50% relative humidity and approx. 100 µm wet film thickness)

Dry to handle: after approximately 4 hours

Can be overpainted: after approximately 8 hours

Drying time increases proportionally with lower temperatures and/or higher humidity levels.

Storage: 3 years when stored between +5°C and +25°C in originally sealed container. Seal partially used containers well and stir thoroughly before use.

Application methods

Application methods: brushing, rolling or spraying (airless).

Surface preparation: The substrate must be checked and prepared for load-bearing capacity and suitability for overcoating.

Uncoated surfaces: Check the metal type and degree of weathering, paying particular attention to surface contamination. Areas to be painted must be cleaned of all types of dirt such as dust, mortar residues, and construction debris. Grease, soot, and any bitumen residues must be removed using BESSEMER CLEAN W15. Flue gas deposits and corrosion products must also be removed.

Previously coated surfaces: Existing coatings must be checked for suitability and compatibility. Particular attention should be paid to film thickness, adhesion, load-bearing capacity, coating quality, previous coating system, and the type of metallic substrate. Surfaces to be painted must be cleaned of all types of dirt such as dust, mortar residues, and construction debris. Rust, soot, loose paint, and other contaminants must be carefully removed.

Recommended coating systems:

Uncoated surfaces (uncoated metallic surfaces, not weathered and free of rust)	1x BESSEMER AQUA R PRIMER 1-2x BESSEMER METALLIC
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Uncoated surfaces (uncoated metallic surfaces, weathered)	1x BESSEMER RS GRUND 1-2x BESSEMER METALLIC
Previously coated surfaces: (on existing coatings)	1x BESSEMER RS GRUND. 1-2x BESSEMER METALLIC <i>If the existing coating shows only minor damage, full-surface priming may be omitted – see technical data sheet.</i>

Guideline values for spray application:

Nozzle:	21"
Pressure:	220 bar
Distance:	15 – 20cm

Instructions for use: Stir thoroughly before use. Do not apply at temperatures below +8°C. Please note that, due to product-specific characteristics, changes in colour shade may occur over time depending on environmental influences and the colour selected. These do not constitute a reduction in quality or a product defect.

Consumption: 100-150 g/m² (8-10 m²/l) per coat, resulting in a dry film thickness of 25-35 µm.

Recoat with: BESSEMER METALLIC.

Dilution: With maximum of 3% BESSEMER UNITHIN

Tool cleaning: Immediately after use with BESSEMER UNITHIN or BESSEMER CLEAN W15.

Special notes

Detailed information on disposal, water hazard class, VbF and ADR/RID is available in the safety data sheet, available at <https://myamonn.amonncolor.com/>

The information provided in this data sheet reflects the current state of technical knowledge and is intended for guidance only. The recommended systems and substrates are given as examples. Suitability must be assessed on a case-by-case basis. Should you have any questions, please contact our technical support. Liability is governed by our General Terms and Conditions of Sale and Delivery. This data sheet supersedes and replaces all previous editions.