

BESSEMER® VB-SUPER

Anticorrosive roof coating for sheet metal roofs

2532-a November 2024

Description

Product type: BESSEMER VB SUPER is a topcoat based on synthetic polymer resin, specifically developed for sheet metal roofs and industrial buildings. It is ideal for weathered sheet metal surfaces and for renovation coatings where a low-tension coating is required.

Field of application: BESSEMER VB SUPER is a single-component roof coating for metallic substrates. It is suitable for extreme weather conditions, including use near oil-fired chimneys and in aggressive industrial environments. The coating is resistant to flue gases and chemicals, offers excellent adhesion to the substrate, and remains permanently elastic. Thanks to the inclusion of active anti-corrosion pigments, it is also ideal as a topcoat for iron and steel structures, both indoors and outdoors, for previously coated and renovation applications.

Approvals: Approved as a system according to MA 39 – Magistratsabteilung 39, City of Vienna (Testing Institute for Materials)

Colours: RAL 3009, 6005, 6011, 6021, 7001, 7005, 7016, 7035, 8004, 8014, 17 Prefa brown, 28 Testa di Moro, 93 white, 95 black available from stock. BESSEMER AMBOS shades and other special colours available on request.

Packaging: 0.75 l, 2.5 l and 10 l, in metal containers.

Technical Data

Binder base: combination of high-polymer synthetic resins based on UV-stabilized copolymers and special soft resins

Density: 1.02–1.15 g/cm³ (20°C), depending on colour

Flash point: > 21° C

Solids by weight: approximately 52%

Recommended dry film thickness: 30-45 µm per coat.

Viscosity: approximately 170 sec., DIN 4 mm flow cup (20° C)

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

Dry to handle: after approximately 2 hours

Can be overpainted: after approximately 6-8 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.

Application methods

Application methods: Brushing, rolling, spraying (Airless)

Surface preparation: The substrate must be checked for load-bearing capacity and suitability for recoating, then prepared accordingly:

Uncoated substrates: The substrate must be evaluated based on the type of metal and its degree of exposure to atmospheric agents, with particular attention to surface contaminants. Surfaces to be painted must be cleaned of any type of dirt, including dust, mortar residues, and construction debris. Grease, soot, and any bitumen residues should be removed using BESSEMER CLEAN W15. Fume deposits and corrosion products must be removed.

Previously coated substrates: The existing coating must be checked for suitability and compatibility with the new coating. Particular attention must be paid to layer thickness, adhesion, load-bearing capacity, product quality, coating system, and type of metallic substrate. All areas to be painted must be cleaned of any kind of dirt such as dust, mortar residues, and construction debris. Rust, soot, poorly adhering coatings, and other contaminants must also be carefully removed.

Recommended coating systems:

Uncoated surfaces: <i>(uncoated metallic surfaces, not weathered and free of rust)</i>	1x BESSEMER AQUA R PRIMER 1x BESSEMER VB SUPER
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<u>Uncoated surfaces:</u> (uncoated metallic surfaces, weathered)	1x BESSEMER RS GRUND 1x BESSEMER VB SUPER
<u>Previously coated surfaces:</u> (on existing coatings)	1x BESSEMER RS GRUND. 1x BESSEMER VB SUPER <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 well before use. Do not apply at temperatures below +8°C (air and substrate) and/or at relative humidity above 80%. Do not apply under extreme heat. Please note that, for technical reasons related to the product, depending on environmental conditions and colour shade, changes in tone may occur over time. These do not constitute a reduction in quality or a product defect.

Consumption: 100–150 g/m² (8–12 m²/l) per coat by brush, resulting in a dry film thickness of 30–45 µm

Consumption Airless application: 120–180 g/m² (7–10 m²/l) per coat, resulting in a dry film thickness of 30–45 µm

Recoatable with: BESSEMER VB SUPER or BESSEMER AQUA SUPER

Dilution: With max. 5% BESSEMER UNITHIN

Tool cleaning: Immediately after use with the thinner used or with 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.