

BESSEMER[®] VB-SUPER

Anticorrosive top coat

2532-a September 2016

1. Description

Product character: BESSEMER VB-SUPER is a high quality anticorrosive top coat to meet maximum requirements of metal surfaces.

Range of application: BESSEMER VB-SUPER is a one-component top coat for metallic surfaces, such as zinc-coated sheet steel, non ferrous metals, metal roofs and all sheetings for roof and walls.

It is highly recommended as coating in the vicinity of chimneys for oil-fired heating systems, aggressive urban and industrial atmospheres and extreme weather conditions. BESSEMER VB-SUPER is silk-glossy, extremely weather-proof, resistant against industrial exhaust gas, soot, acid rain, many acids, lyes, salts and fuel oil. BESSEMER VB-SUPER adheres excellent to metals, and pore-sealing, if dry film thickness is adequate.

Registrations: MA 39 (as coating system)

Shades: 15 standard shades on stock. Special shades may be ordered on request.

Packing: 0,75 L and 2,5 L, 10 L.

2. Technical Data

Vehicle: combination of high-polymer plastics based on UV-stabilized co-polymers and special soft resins.

Density: approx. 1,02-113 g/cm³ (20° C), depending on shade.

Flash point: > 21° C

Solid substance: approx. 55%

Recommended dry film thickness: 30 - 45 µm/layer.

Viscosity: approx. 160 sec. DIN 4 mm discharge beaker (20° C)

Gloss: silky sheen

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

dust-dry: after approx. 45 minutes

touch-dry: after approx. 2 hours

over paintable: after approx. 6-8 hours

high humidity and/or low temperatures will delay drying.

Storage: storable between + 5° C and + 25° C in closed original packing at least for 2 years Stir up well before use. Close well after opening.

3. Treatment

General: Shades can be mixed in any ratio.

Application: Brushing, rolling, spraying (Airless)

Surface preparation: The base has to be examined for its bearing capacity and suitability for overpainting and conditioned as provided in Austrian Standard ÖNORM B 2230.

When painting not weathered and weathered galvanized sheet steel (zinc-coated steel structures) take notice of leaflet 5 „Beschichtung auf Zink und verzinktem Stahl“ from Bundesausschuss Farbe und Sachwertschutz (BFS)

Recommended painting structures:

Decorative coat without corrosion protection	Zinc and galvanized surfaces are to be prepared according to Merkblatt 5 of BFS. Clean the surfaces to be painted and remove dirt of all kinds, including dust, mortar droppings, and similar residues from construction work, grease, soot, or bitumen residues with REINIGER W 15 solvent-based cleaning agent, or BESSEMER UNI CLEAN, water based cleaning agent concentrate. Then 2 x BESSEMER VB-SUPER applied in the desired colour shade without primer.
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<p>- New coats</p>	<p>Examine the metallic surface for the type of metal and degree of weathering, check for surface dirt. Zinc and galvanized surfaces are to be prepared according to Merkblatt 5 of BFS. Clean the surfaces to be painted and remove dirt of all kinds, including dust, mortar droppings, and similar residues from construction work, grease, soot, or bitumen residues with REINIGER W 15 solvent-based cleaning agent, or BESSEMER UNI CLEAN, water based cleaning agent concentrate. Eliminate flue-gas deposits and corrosion products by high-pressure water-blasting. Not weathered zinc, galvanized sheet steel and non-ferrous metals: a single thin layer of BESSEMER AQUA GRUND is applied as an adhesion bridge (20-30µm dry film thickness)! Weathered zinc, galvanized sheet steel and non-ferrous metals: apply BESSEMER VB GRUND as a primer. Rusty spots have to be first painted in orange-red with BESSEMER VB GRUND.</p>
<p>- Repainting jobs:</p>	<p>Examine the existing coat for its suitability for overpainting and note its layer thickness, adhesion, carrying capacity, product quality, paint system and type of metallic subsurface. Clean the surfaces to be painted by removing incoherent corrosion, soot, peeling paint, mortar droppings and other dirt with a paint-scraper and wire brush and thoroughly dust the surfaces. Eliminate flue-gas deposits and corrosion products by high-pressure water-blasting. Completely remove any coat that shows excessive dry film thickness, inadequate adhesion to the ground, cracks, blister formation or large-scale peeling. Prime with BESSEMER VB GRUND.</p>

Application note: Thoroughly mix before use. **Viscosity is ready for use.** If necessary use the special thinner provided for this purpose. Do not use at temperatures below +5°C.

Consumption: approx. 100 - 150 g/m² and application are sufficient for approx. 30 - 45 µm dry film thickness.

Recoatable: with BESSEMER VB-SUPER or BESSEMER AQUA SUPER

Thinner: BESSEMER UNIVERSAL-STREICHVERDÜNNUNG and BESSEMER UNIVERSAL-SPRITZVERDÜNNUNG

Tool Cleaning: Immediately after use with the recommended thinner, or REINIGER W 15.

4. Special Notes

Only use the recommended thinner. During application take notice of the safety regulations. When coating not weathered galvanized metal sheets be sure to thoroughly degrease the surface.

We emphasize that due to technical reasons, dependent on environmental effects and shade, there can occur changes in shade which are no loss of quality or product deficiency.

Waste key Number according EAK and AVV: 08 01 11

Not classified dangerous under ADR/RID

VbF: not applicable

The information contained in this technical leaflet is based on recent research and technology. However, due to the extensive range of applications, we are unable to offer an unconditional guarantee for all possible applications. Please contact us for any further technical information or advice you may need.