

BESSEMER[®] VB-GRUND

Rust stopping special primer for weathered metal surfaces

2536-a February 2015

1. Description

Product character: BESSEMER VB-GRUND is a special primer for severely weathered zinc-coated or rusty steel surfaces, especially roof sheeting.

Range of application: BESSEMER VB GRUND is a one-component base coat for aged galvanized or rusty steel sheet surfaces for roofs and walls. BESSEMER VB-GRUND stops rust (shade orange-red). It is to be applied directly on sticking rust and is excellently suited to combat sulfate corrosion in the vicinity of chimneys for oil-fired heating systems or aggressive industrial atmosphere. The special vehicle achieves a tough, permanently elastic film with excellent adhesion to the surface.

Registrations: MA 39 (as coating system)

Shades: orange-red, light-grey, grey.

Packing: 0,75 L, 2,5 L and 10 L in metal container.

2. Technical Data

Vehicle: UV-stabilized copolymers combined with special soft resins.

Density: approx. 1,35 g/cm³ (20° C), depending on shade.

Flash point: > 21° C

Solids: approx. 75 %

Recommended dry film thickness: 25 - 40 µm/layer.

Viscosity: approx. 140-180 sec. DIN 4 mm flow cup (20° C)

Gloss: matt

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

dust-dry: after approx. 30 minutes

touch-dry: after approx. 1 hour

over paintable: after approx. 3 hours

high humidity and/or low temperatures will delay drying substantially.

Storage: storable between + 5° C and + 25° C in closed original packing at least for 1 year. 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:

– New coats:
only apply to at least for min. 2-3 years
aged galvanized steel!

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.

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

Consumption: approx. 100 - 160 g/m² and application are sufficient for approx. 25 - 40 µm dry film thickness.

Recoat able: with all BESSEMER top coats, as BESSEMER VB-SUPER and BESSEMER ECHTKUPFER.

Thinner: BESSEMER UNIVERSAL-STREICHVERDÜNNUNG and BESSEMER UNIVERSAL-SPRITZVERDÜNNUNG

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

4. Special Notes

Stir up well before use. Only use the recommended thinner. During application take notice of the safety regulations.

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.