

BESSEMER[®] AQUA-SUPER

Water based top coat with addition of iron mica

2540-a February 2015

Description

Characteristics: BESSEMER AQUA-SUPER is a special water based top coat with addition of iron mica for zinc-coated steel surfaces, especially roof and wall sheetings.

Range of application: BESSEMER AQUA-SUPER is an one-component top coat for steel sheet surfaces for roofs and walls and other metallic surfaces. BESSEMER AQUA SUPER offers excellent adhesion to the surface, is flue gas proofed and withstands to aggressive industrial atmosphere. High density packed through special pigments. Through special rust-proof pigments BESSEMER AQUA SUPER is highly recommended as top coat for iron and steel structures in interior and exterior environment.

Registrations: MA 39 (as coating system)

Shades: RAL 6005, 3009, 8014, 7005, 7035 on stock, some shades of the BESSEMER AMBOS range are available by order.

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

Technical Data

Vehicle: water-borne acrylic resins.

Density: approx. 1,3-1,5 g/cm³ (20° C), depending on shade.

Flash point: > not inflammable

Solids: approx. 55 %

Recommended dry film thickness: approx.40-60 µm/layer.

Viscosity: thixotropic.

Gloss: matt

Drying: (at 23° C, 50 % relative humidity and a wet film thickness of approx. 140 µm)

dust-dry: after approx. 30 minutes

touch-dry: after approx. 1 hour

over paintable after approx. 8 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. Store free from frost. Stir up well before use. Close well after opening.

Treatment

General: Shades can be mixed in any ratio. Note the application guidelines.

Application: Brushing, rolling, spraying (airless).

Surface preparation: The substrate 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)

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Recommended painting structures:

<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. Prime with BESSEMER AQUA-GRUND. Rusty spots have to be painted first with BESSEMER AMBOS- or 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 substrate, cracks, blister formation or large-scale peeling. Rusty spots have to be painted first with BESSEMER AMBOS- or BESSEMER VB- GRUND. As top coat apply.</p>

Application note: Thoroughly stir before use. Use water as thinner. Do not use at temperatures below +8°C (air and surface) and/or humidity beyond 80%. Do not apply at extreme heat and direct exposure to sunlight.

Consumption: approx. 140-200 g/m² (6-10m²/L) and application are sufficient for approx. 40-60 µm dry film thickness.

Recoat able: with BESSEMER AQUA-GRUND and BESSEMER AQUA-SUPER.

Thinner: water (if necessary max. 5%).

Tool Cleaning: Immediately after use with water. Addition of a detergent is recommended.

Special Notes

It should be noted that a maximum of two layers BESSEMER AQUA (Primer and top coat) are applied in a painting cycle (attention overlaps near the fold).

Stir up well before use. Note temperature and humidity. During application take notice of the safety regulations. The shades may differ from the standard RAL shade, because of the used mica pigment.

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.