

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 3 years. 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: (uncoated metal substrates)</p>	<p>Examine the support 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 treated by removing all types of impurities, as well as rust and other corrosion products, dust, mortar residues and construction waste. Remove any bituminous residues, sooty grease, etc. with BESSEMER CLEAN W15. Carry out final cleaning with pressure washer. Apply the product BESSEMER AQUA R PRIMER as a primer over the entire surface. Top coat: 1 coat of BESSEMER AQUA SUPER</p>
<p>Repainting: (uncoated metal substrates subject to weathering)</p>	<p>Check the overpaintability of the pre-existing film. Pay particular attention to thickness, anchorage, strength, quality, paint system, and type of metal substrate. Pretreatment: clean the surfaces to be painted of rust, soot and paints that no longer adhere firmly, mortar residues and other impurities with a restoration cutter (old paints), squeegee, wire brush or other suitable tools/equipment. Then carefully remove the dust. Exhaust gas deposits and corrosion products should be removed in accordance with BFS Code of Practice 5. Completely remove paints with excessively high dry film thicknesses, poor adhesion to the substrate, cracks and bulges or consistent detachment. Apply BESSEMER RS GRUND to the primer rust, then coat the entire surface with BESSEMER AQUA R PRIMER or BESSEMER RS GRUND with one coat. Finish: 1 coat of BESSEMER AQUA SUPER.</p>
<p>Repainting jobs: (on old coatings)</p>	<p>Check the overpaintability of the pre-existing film. Pay particular attention to thickness, anchorage, strength, quality, paint system, and type of metal substrate. Pretreatment: clean the surfaces to be painted of rust, soot and paints that no longer adhere firmly, mortar residues and other impurities with a restoration cutter (old paints), squeegee, wire brush or other suitable tools/equipment. Then carefully remove the dust. Exhaust gas deposits and corrosion products should be removed in accordance with BFS Code of Practice 5. Completely remove paints with excessively high dry film thicknesses, poor adhesion to the substrate, cracks and bulges or consistent detachment. Apply BESSEMER RS GRUND to the primer rust, then coat the entire surface with BESSEMER AQUA R PRIMER or BESSEMER RS GRUND with one coat. Finish: 1 coat of BESSEMER AQUA SUPER.</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 (8-10m²/L) and application are sufficient for approx. 40-60 µm dry film thickness.

Recoat able: with BESSEMER AQUA R PRIMER.

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

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

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Special Notes

It should be noted that a maximum of two layers BESSEMER (AQUA R PRIMER e SUPER) 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.

ADR/RID: 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.