

BESSEMER[®] AQUA R PRIMER

Waterbased, micaceous adhesion and rust protection primer

2541-a May 2022

Description

Characteristics: BESSEMER AQUA R PRIMER is a water-dilatable, micaceous adhesion and rust protection primer, for new or weathered galvanized surfaces without rust, aluminium, titanium zinc (Rheinzink), copper and stainless steel especially for sheet metal roofs and industrial roofing.

Range of application: BESSEMER AQUA R PRIMER is an one-component base coat for metallic surfaces. BESSEMER AQUA R PRIMER contains special rust-protective pigments and has outstanding features as primer for galvanized steel sheets, non ferrous metals and steel constructions. BESSEMER AQUA R PRIMER offers excellent adhesion to the surface, is flue gas proofed and withstands to aggressive industrial atmosphere. If applied with sufficient layer thickness the coating results to be pore-tight, condensation water resistant and permanently elastic. High density packed through special pigments.

Registrations: MA 39 (as coating system)

Shades: orange-red, grey, light.

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. 35-60 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

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 unweathered and weathered galvanized sheet steel (zinc-coated steel structures) take notice of leaflet 5 „Coating on zinc and galvanised steel“ from Bundesausschuss Farbe und Sachwertschutz (BFS).

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Recommended painting structures:

<p>New coats (non coated metal substrates)</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 (point 5/4). Clean the surfaces to be painted and remove dirt of all kinds, including dust, mortar droppings, and similar residues from construction work. Remove bitumen residues, grease, soot and similar with BESSEMER CLEAN W15 (solvent-based cleaning agent). Clean thoroughly with pressure cleaning. Rusty spots have to be painted first with BESSEMER RS-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. Clean thoroughly with pressure cleaning (refer to indications given under new coats). Eliminate flue-gas deposits and corrosion products completely. Remove any coat that shows excessive dry film thickness or inadequate adhesion, cracks, blister formation or large-scale peeling. Treat rusty spots with BESSEMER RS-GRUND before painting.</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: ca. 140-200 g/m² (6-10m²/L) application are enough for approx.40-60 µm dry film thickness.
ca. 120-160g/m² (9-11m²/L) when used as adhesion primer for BESSEMER VB-SUPER.

Recoatable: With BESSEMER AQUA SUPER as top coat. When used as an adhesion primer on non weathered metallic surfaces with BESSEMER VB 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 (R PRIMER and SUPER) are applied in a painting cycle (attention to overlaps near the folds). Stir up well before use. Pay attention to temperature and humidity. During application take notice of the safety regulations.

VbF: not applicable

ADR/RID: Not classified dangerous under ADR/RID

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.