

## BESSEMER<sup>®</sup> AMBOS ULTRA

Anticorrosive top coat based on linseed oil with iron mica

2531-a May 2022

### 1. Description

**Product character:** BESSEMER AMBOS ULTRA is a time-tested, high quality anticorrosive topcoat based on linseed oil with addition of iron mica.

**Range of application:** BESSEMER AMBOS ULTRA is a one-component topcoat for galvanized steel sheet surfaces for roofs and walls. Extremely weather and flue gas proof enhanced by flake-shaped mica pigments. This is a special quality of Bessemer Ambos for demanding environment and exposure to aggressive urban and industrial atmospheres or chimneys for oil-fired heating systems.

The combination of a special vehicle and customized high-quality mica pigments provides a permanently elastic paint for many years with good adhesion to the subsurface.

**Registrations:** MA 39 (as coating system)

**Shades:** 12 standard shades on demand. This quality is not on stock.

Special shades may be ordered on request.

**Packing:** 14 kg in metal container.

### 2. Technical Data

**Vehicle:** solvent-poor combination of linseed oil with UV-resistant stabilised polymers and special elastic resins.

**Density:** approx. 1,60-1,80 g/cm<sup>3</sup> (20° C), depending on shade.

**Flash point:** > 60° C

**Solids:** approx. 95 %

**Recommended dry film thickness:** 45 - 55 µm/layer.

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

**Gloss:** satin gloss

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

dust-dry: after approx. 5 hours

touch-dry: after approx. 12 hours

over paintable: after approx. 24 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.

**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)

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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.</p> <p>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 BESSEMER CLEAN W15 solvent-based cleaning agent. Eliminate flue-gas deposits and corrosion products by high-pressure water-blasting.</p> <p>Weathered zinc, galvanized sheet steel: apply BESSEMER RS GRUND as a primer. Rusty spots have to be first painted with BESSEMER RS GRUND. <b>BESSEMER AMBOS is NOT RECOMMENDED on not weathered, new galvanized surfaces! Material has to be weathered for at least 3-5 years.</b></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.</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> <p>Prime with BESSEMER RS GRUND. Rusty spots have to be patched with BESSEMER RS GRUND.</p> <p>Repainting with BESSEMER AMBOS ULTRA is not recommended for partially dissolving plastic coatings.</p>

**Application note:** Thoroughly mix before use. Always use the special thinner provided for this purpose. Do not use at temperatures below +10°C.

**Consumption:** approx. 120 - 160 g/m<sup>2</sup> and application are sufficient for approx. 45 - 55 µm dry film thickness.

**Recoat able:** with BESSEMER AMBOS and BESSEMER AMBOS ULTRA.

**Thinner:** BESSEMER UNITHIN

**Tool Cleaning:** Immediately after use with the recommended thinner, or BESSEMER CLEAN W15.

#### 4. Special Notes

Only use the recommended thinner. During application take notice of the safety regulations.

We emphasize that due to technical reasons, dependent on relative humidity and surface-temperature (below 10°C), there can occur much longer drying-times. BESSEMER AMBOS ULTRA therefor should be applied at warm and dry weather periods.

**ADR/RID-GGVS/e Class 9 (M6); II; UN 3082**

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.*