

# BESSEMER<sup>®</sup> Ambos

Oil-based top coat for sheet metal roofs

2530-a November 2024

## Description

**Product:** BESSEMER AMBOS is an oil-based roof coating designed for superior anti-corrosion protection. It offers exceptional resistance to weathering and combustion gases, remains permanently elastic, is UV-stable, adheres excellently, and is remarkably easy to apply. High penetration capacity thanks to the oil-based binder.

**Applications:** BESSEMER AMBOS is a single-component paint specifically developed for coating aged, galvanized steel sheet substrates, ideal for applications in the sheet metal roofing sector. Its characteristics make it ideal in aggressive urban and industrial atmospheres and it can also be used near oil-fired chimneys. Thanks to the combination of carefully selected natural oils and high-quality pigments, the coating retains its elasticity over time.

**Certifications:** MA 39 (system), City of Vienna

**Colours:** 64 patina, 09 signal green, 31 dark green, 15 light grey, 27 silver grey, 38 dove grey, 43 medium grey, 01 graphite grey, 59 copper brown, 41 roof red, 06 brown, 81 white

**Packaging:** 0.75 l and 10 l, in metal containers

## Technical features

**Binder base:** solvent-free combination of natural oils

**Density:** depending on colour about 1.45 -1.60 g/cm<sup>3</sup> (20°C)

**Flash point:** >60 °C

**Dry residue in weight:** approximately 95%

**Recommended dry film thickness:** 40 - 50 µm per application

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

**Drying time:** (at 23°C, 50% relative humidity and about 100 µm wet film thickness)

dry to handle: after approximately 14 hours

can be overpainted: after approximately 24 hours

Please note that, for technical reasons related to the product, high air humidity and object temperatures below +10°C may significantly prolong drying times. Under such conditions, it is advisable to wait for an extended dry period before proceeding with application. Drying time increases proportionally with lower temperatures and/or higher humidity levels.

**Storage:** Can be stored for 3 years if stored between +5°C and +25°C in the original sealed container. Carefully seal partially used containers and stir the product well before use.

## Processing

**Application systems:** Brush, Roller

**Surface preparation:** The substrate must be checked for load-bearing capacity and suitability for recoating, then prepared accordingly:

**New coating:** The substrate must be evaluated based on the type of metal and its degree of exposure to atmospheric agents, with particular attention to surface contaminants. Surfaces to be painted must be cleaned of any type of dirt, including dust, mortar residues, and construction debris. Grease, soot, and any bitumen residues should be removed using BESSEMER CLEAN W15. Fume deposits and corrosion products must be removed.

**Repainting:** The existing coating must be evaluated for its suitability and potential for repainting. Particular attention should be given to its thickness, adhesion, load-bearing capacity, product quality, painting system, and the type of metal substrate. Surfaces to be painted must be free from any type of contamination, such as dust, mortar residues, and construction debris. Rust, soot, and non-adherent paints, as well as other impurities and dust, must be carefully removed.

### Recommended treatments:

<p>- New coating:</p>	<p>1 x BESSEMER RS GRUND (Pre-treat rust spots with BESSEMER RS PRIMER - see the technical data sheet.) 1 x BESSEMER AMBOS Application is not recommended on galvanized surfaces that have not been adequately exposed to atmospheric agents!</p>
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- Repainting:	1 x BESSEMER RS GRUND (Treat rust spots with BESSEMER RS GRUND. For older coatings with only minor damage, complete substrate preparation may be omitted—refer to the technical data sheet for details.) 1 x BESSEMER AMBOS
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**Instructions for use:** Mix thoroughly before use. Do not use at temperatures below +8°C.

**Yield:** approximately 120 - 160 gsm (10-14 gsm/l) per hand results in approx. 40 - 50 µm dry film thickness.

**Repainting:** With BESSEMER AMBOS

**Dilution:** with max. 5% BESSEMER UNITHIN

**Tool cleaning:** Immediately after use with the dilution used or BESSEMER CLEAN W 15.

### Special instructions

Detailed information on disposal, water hazard class, VbF and ADR/RID is available in the safety data sheet, available at <https://myamonn.amonncolor.com/>

Use only the designated special dilution. During processing, comply with safety regulations.

*The above instructions reflect the latest information on the development and use of our product. The suggested coating systems should be regarded as possible examples. Given the wide variety of applications and working conditions, an individual professional assessment is essential. In case of doubt, please consult our technical team. Our liability is limited to the terms outlined in our general conditions of sale.*