

BESSEMER[®] AMBOS ULTRA

Oil-based roof coating for sheet metal roofs with micaceous iron oxide

2531-a November 2024

Description

Product type: BESSEMER AMBOS ULTRA is a proven oil-based anti-corrosion topcoat with micaceous iron oxide, offering exceptional weather and flue gas resistance, permanent elasticity, UV stability, excellent adhesion, and effortless application. High penetration capacity due to oily binder.

Field of application: BESSEMER AMBOS ULTRA is a one-component top coat for weathered galvanized sheet steel substrates in roofing applications. This special formulation is used in aggressive urban and industrial environments, as well as in areas with oil-fired chimneys. The combination of special natural oils, precisely matched high-quality pigments, and micaceous iron oxide additive ensures a long-lasting, permanently elastic coating with excellent adhesion to the substrate.

Approvals: Approved as a system according to MA 39 – Magistratsabteilung 39, City of Vienna (Testing Institute for Materials)

Colours: 64 Patina, 09 Signal Green, 31 Dark Green, 15 Pale Grey, 27 Silver Grey, 38 Dove Grey, 43 Medium Grey, 01 Graphite Grey, 59 Copper Brown, 41 Roof Red, 06 Brown, 81 White

Packaging: 14 kg, in metal containers

Technical data

Binder base: solvent-free combination of natural oils

Density: depending on colour shade, approximately 1.60-1.80 g/cm³ (20°C)

Flash point: > 60°C

Solids by weight: approximately 95 %

Recommended dry film thickness: 40-50 µm per application

Viscosity: approximately 180 sec., DIN 4 mm flow cup (20°C)

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

Dry to handle: after approximately 14 hours

Dry to recoat: after approximately 24 hours

We emphasize that due to technical reasons, dependent on relative humidity and surface temperature (below 10°C), there can occur much longer drying times. It is therefore advisable under such circumstances to wait for an extended dry weather period for processing.

Storage: 3 years when stored between +5°C and +25°C in originally sealed container. Seal partially used containers well and stir thoroughly before use.

Application methods

Application methods: Brushing, rolling.

Surface preparation: The substrate must be checked and prepared for load-bearing capacity and suitability for overpainting.

Uncoated surfaces: The surface must be checked for metal type and degree of weathering, with particular attention to surface contamination. The surfaces to be painted must be cleaned of all types of contamination, such as dust, mortar residues, and construction debris. Grease, soot, and any existing bitumen residues must be removed using BESSEMER CLEAN W15. Flue gas deposits and corrosion products must be removed.

Previously coated surfaces: The existing coating must be checked for suitability and paintability; particular attention should be paid to layer thickness, adhesion, load-bearing capacity, product quality, coating system, and the type of metallic substrate. The surfaces to be painted must be cleaned of all types of dirt, such as dust, mortar residues and construction waste. Rust, soot and non-stick paints, as well as other impurities and dust must also be carefully removed.

Recommended coating systems:

- Uncoated surfaces:	1x BESSEMER RS GRUND (Pre-treat rust spots with BESSEMER RS GRUND - see technical data sheet.) 1x BESSEMER AMBOS ULTRA The application on inadequately weathered galvanised surfaces is not recommended!
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- Previously coated surfaces:	1x BESSEMER RS GRUND (Pre-treat rust areas with BESSEMER RS Grund – for old coatings that have only minor damage, the full surface primer can be omitted – see technical data sheet). 1x BESSEMER AMBOS ULTRA
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Instructions for use: Stir well before use. Do not apply at temperatures below +8°C.

Consumption: 120-160 g/m² (10-14 m²/l) per coat, resulting in a dry film thickness of 40-50 µm

Recoat with: BESSEMER AMBOS ULTRA

Dilution: maximum of 5% BESSEMER UNITHIN

Tool cleaning: Immediately after use with the thinner used or BESSEMER CLEAN W15.

Special notes

For detailed information on disposal, water hazard class, VbF and ADR/RID, please refer to the safety data sheet, available at <https://myamonn.amonncolor.com/>.

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

The information provided in this data sheet reflects the current state of technical knowledge and is intended for guidance only. The recommended systems and substrates are given as examples. Suitability must be assessed on a case-by-case basis. Should you have any questions, please contact our technical support. Liability is governed by our General Terms and Conditions of Sale and Delivery. This data sheet supersedes and replaces all previous editions.