

BESSEMER[®] RS-GRUND

Rust stopping special primer for weathered metal surfaces

2536-a Novembre 2024

Description

Product type: BESSEMER RS GRUND is a solvent-based, corrosion-protective and rust-inhibiting primer for weathered and also slightly rusted metallic substrates, particularly for sheet metal roofs.

Field of application: BESSEMER RS GRUND is ideal as a primer for weathered and also rusted metallic substrates. It is particularly used on sheet metal roofs, around oil-fired chimneys, and in aggressive industrial atmospheres.

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

Colours: 224 Orange red, 724 Grey, 924 Opal white

Packing: 0,75 L, 2,5 L and 10 L in metal containers.

Technical Data

Binder base: UV-stabilized copolymers in combination with special soft resins.

Density: approx. 1,35 g/cm³ (20° C), depending on colour.

Flash point: > 21° C

Solids by weight: approx. 66 %, depending on colour

Recommended dry film thickness: 25-40 µm

Viscosity: 140–180 seconds, DIN 4 mm flow cup (at 20°C)

Drying time: (at 23° C, 50 % relative humidity and a wet film thickness of approx. 100 µm)
dry to handle: after approximately 1 hour
can be overpainted: after approximately 3 hours

Storage: storable between + 5° C and + 25° C in closed original packing at least for 5 years. Stir up well before use. Close well after opening.

Application methods

General information: All shades can be mixed with each other in any ratio.

Application methods: Brushing, rolling, spraying (airless).

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

Uncoated surfaces: The type of metal and the degree of weathering must be checked, paying special attention to surface contamination. Surfaces to be painted must be cleaned of all kinds of dirt, such as dust, mortar residues, and construction debris. Grease, soot, and any bitumen residues must be removed using BESSEMER CLEAN W15. Flue gas deposits and corrosion products must also be removed.

Previously coated surfaces: The existing coating must be checked for suitability and recoating compatibility, paying special attention to layer thickness, adhesion, load-bearing capacity, product quality, coating system, and type of metallic substrate. Surfaces to be painted must be cleaned of all types of dirt, such as dust, mortar residues, and construction debris. Rust, soot, non-adherent coatings, and other contaminants must also be carefully removed.

Recommended coating systems:

Uncoated surfaces: (uncoated weathered metallic substrates)	1x BESSEMER RS GRUND (Pre-treat rust spots with BESSEMER RS GRUND - see technical data sheet.)
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<p>Previously coated surfaces: <i>(on existing coatings)</i></p>	<p>On bare areas where there is no existing coating, spot-treat rust patches beforehand with thinned BESSEMER RS GRUND Then: 1x BESSEMER RS GRUND.</p> <hr/> <p><i>If the existing coating shows only minor damage, full-surface priming may be omitted – see technical data sheet.</i></p>
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Guideline values for spray application:

Nozzle:	21"
Pressure:	220 bar
Distance:	15 – 20cm

Instructions for use: Stir thoroughly before use. Do not apply at temperatures below +8°C (air and substrate temperature) and/or high relative humidity (above 80%). Do not apply under extreme heat.

Consumption by brush/roller: 100–160 g/m² (9–14 m²/l) per coat, resulting in approx. 25–40 µm dry film thickness.

Consumption by airless spray: 130–200 g/m² (7–11 m²/l) per coat, resulting in approx. 25–40 µm dry film thickness.

Recoatable with: BESSEMER AMBOS, BESSEMER AMBOS ULTRA, BESSEMER VB SUPER, BESSEMER AQUA SUPER

Dilution: with a maximum of 5% BESSEMER UNITHIN

Tool Cleaning: Immediately after use, clean with the thinner used for application or with BESSEMER CLEAN W15.

Special Notes

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

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.