

BESSEMER[®] METALLIC

Protective top coat for indoor and outdoor use

2532-a May 2022

1. Description

Product: BESSEMER METALLIC is a high-quality decorative top coat.

Applications: BESSEMER METALLIC is a single-component top coat which gives sheet metal surfaces decorative metallic effects. It can be applied both indoors and outdoors. It is particularly suitable for gutters, drainpipes, coatings, wrought iron or steel constructions.

METALLIC is weather-resistant, it adheres well to substrates, dries quickly and is hard-wearing, decorative and protective.

Colours: natural copper, rustic copper, silver, antique silver.

Packaging: 0.75 l, 2.5 l in metal containers.

2. Technical data

Binder: combination of stabilised copolymers which withstand UV rays and special flexible resins.

Density: approx. 1.02-1.13 g/cm³ (20° C), depending on colour

Flash point: over 21° C

Dry residue: approx. 55%

Recommended dry thickness: 30 - 45 µm per coat

Viscosity: approx. 170 sec. viscometer DIN 4 mm (20° C)

Dilution: depending on application and temperature of the surface

Gloss: metallic, shiny

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

Dust dry: after about 45 min

Can be handled: after about 4 hours

Can be over-painted: after about 8 hours

In low temperatures and/or high humidity, the drying time is prolonged proportionally.

Storage: if stored in its original sealed container at a temperature of between +5 °C and +25 °C, the product will keep for at least 3 years. Always mix well before use and seal the container properly again afterwards.

3. How to apply

General: all the colours can be mixed and in any proportion. Given its high metal powder content, we do not recommend applying BESSEMER METALLIC on metal surfaces without a primer.

Application systems: brush, roller or spray (airless).

Surface preparation: the surface must be examined and prepared and its resistance and suitability for over-painting determined, in compliance with Austrian standard ÖNORM B 2230.

When coating galvanised surfaces, whether they are exposed to climatic attack or not, follow the instructions in data sheet 5 "Coatings on zinc and galvanised steel" from Bundesausschuss Farbe und Sachwertschutz (BFS).

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Recommended treatments:

Decorative coating of new/uncorroded surfaces.	Check the type of metal and the degree of the surface damage caused by the weather; check in particular for the presence of contaminating agents on the surface. Before applying the product, prepare the galvanised surfaces following the instructions in BFS data sheet 5. Clean the surface, removing any impurities such as dust, cement and building rubbish. Use BESSEMER CLEAN W15 to remove any traces of grease, soot or bitumen residues. Remove any deposits from combustion gases and corrosion with a pressure washer. Apply a thin coat of BESSEMER AQUA R PRIMER to galvanised surfaces which have not been damaged by the weather. If the galvanised sheet metal is damaged, use BESSEMER RS GRUND as a primer. Finally, apply two coats of BESSEMER METALLIC in the desired colour.
Restoration:	. Check if the existing paint is suitable and can be over-painted. Pay special attention to the thickness, anchorage, resistance and quality of the coating system and the type of metal surface. Clean the surface, removing any rust, soot, loose paint, cement and other impurities with a spatula, a metal brush or other suitable tools. Clean it thoroughly to make sure there are no traces of dust. Remove any deposits from combustion gases and corrosion with a pressure washer. Completely remove paint when the dry film is very thick, it does not adhere well to the surface or is cracked, swollen or has large loose patches. Apply a coat of BESSEMER RS GRUND primer. Finally, apply two coats of BESSEMER METALLIC in the desired colour.

Application advice: shake well before using. **Ready to use.** Only dilute (max. 3%) when strictly necessary. Do not apply in temperatures below +5 °C.

Yield: approx. 100 - 150 g/m² (8-12 m²/l) per coat: dry film thickness approx. 25-35 µm.

Over-painting: with BESSEMER METALLIC.

Dilution: BESSEMER UNITHIN

Tool cleaning: immediately after use with BESSEMER UNITHIN or BESSEMER CLEAN W15.

4. Special instructions

Read the instructions on the safety sheet. Only dilute when necessary in the proportion indicated. If applying to newly installed galvanised steel sheet metal, degrease the surface thoroughly first.

The colour of the applied paint may change over time due to technical reasons, environmental aggressors and the shade chosen; this does not affect the quality of the product and is not a fault.

Disposal: EWC and AVV (German waste regulations) classification: 08 01 11 (waste paint and varnish).

Do not dispose of dirty containers or residues of material as domestic waste but at special waste collection centres. Only dispose of perfectly clean containers at recycling centres. Do not throw the product or its residues into the sewer system, into surface water or onto the soil.

VbF classification: not applicable.

ADR/RID: not applicable.

The above instructions are consistent with the most recent information on the development and use of our product. Because we have no control over the onsite use and application of the product, we may only be held liable for the quality of the product as supplied. If in doubt please contact our technical consultancy service.