

Processing instructions / Technical data sheet

CAIRCON - Metal roof paint 3 in 1

CAIRCON Metal Roof Paint is a high-quality, solvent-based, semi-gloss roof paint for sheet metal and metal roofs. Paint gives metal surfaces made of steel, metal, aluminum, zinc and other metal alloys a long-lasting beautiful appearance and reliably protects them from rust. Roof paint acts simultaneously as a primer, rust protection paint and top coat (3-in-1 effect).

Check the color shade for color accuracy by applying a test coat BEFORE use - no complaints/exchanges possible after use! On contiguous surfaces, only use colors from the same delivery or with identical batch numbers! Material/tools with the same consistency and batch number must also be used when touching up the surface.

Step 1: Substrate preparation

1. In general: remove loose old paint and rust. Sand and prime if necessary. Mask off surfaces not to be painted. The substrate must be dry, clean, sound, grease-free and free from contamination and substances with a separating effect, such as algae, moss, resins, waxes, oils, etc. We recommend the use of our **CAIRCON - Special pre-cleaner** for thorough pre-cleaning.

2. Iron and steel: Remove rust, rolling skin, scale and welding residues mechanically until a shiny metallic surface is visible. Furthermore, sharp edges and burrs should be rounded.

3. Zinc: Zinc surfaces should be carefully prepared with a special zinc cleaner as a substrate pre-treatment. Furthermore, sharp edges and burrs should be rounded.

4. Aluminum: Clean the surface with nitro universal thinner, then sand with a nylon fleece and finally clean again with nitro universal thinner until there are no more gray residues in the cloth.

Step 2: Processing

1. Application methods: The material can be brushed or rolled on. For a convenient and even application, we recommend using a **CAIRCON floor roller**. For a uniform appearance, always work fresh in fresh. When rolling, apply the material evenly (adhere to the specified material consumption) and re-roll crosswise. Stir well before use.

2. Multi-coat application: After 1 hour, apply another thin coat once or twice. To avoid structural defects, the top coat should not be reworked afterwards. The coat should result in a self-contained, homogeneous layer of paint without blowholes and imperfections. This is the only way to ensure reliable and long-lasting rust protection. Do not use on synthetic resin-coated surfaces! The paint can be applied with a brush or roller. Always work wet on wet to avoid build-up.

If third-party products are used to prepare the substrate, their compatibility and the perfect final result must be checked by applying a test surface BEFORE coating. If third-party products are used, no liability can be accepted for a proper application result.

Drying time

Please note: these times only apply at an optimum air temperature of 20-25°C and humidity of 40-60% and may vary if these conditions change.

Dust-dry	Paintable	Fully cured
1-2 hours	8 hours	14 days (do not rework the surface during this time due to wrinkling)

Technical data

Gloss level	Silky gloss
Composition	Alkyd resin, solvents, fillers, pigments, additives
Consumption	Approx. 5-8qm/liter per coat (double coat recommended)
Areas of application	Metal outdoors and indoors
Processing	With roller, brush or sprayer
Processing temperature	Even at low temperatures from +5°C, ideally 15-23°C
Shelf life	Approx. 24 months if stored properly from +5°C to +25°C in unopened containers. Protect from frost and moisture.

Waste disposal

Only dispose of empty containers for recycling. In their liquid state, the products are hazardous to water and must therefore not be allowed to enter bodies of water. Do not allow to enter the sewage system. Empty containers completely. Product residues that are still liquid must be taken to the local collection point for old paints/varnishes or disposed of in accordance with local regulations.

Storage and labeling in accordance with the Hazardous Substances Ordinance / BetrSichV:

Approx. 24 months if stored properly from +5°C to +25°C in unopened containers. Protect from heat, frost and moisture. Keep away from children, heat and open flames. Close the paint container tightly when not in use to prevent hardening. For other labeling in accordance with the currently valid Hazardous Substances Ordinance, please refer to the relevant safety data sheets and labels.

Safety and protective measures:

During processing, the BGR 500 rules for safety and health at work, chapter 2.29, and the current EC safety data sheets must be observed.

H226 Flammable liquid and vapor.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

P102 Keep out of the reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not smoke.

P271 Use only outdoors or in a well-ventilated area.

303+P361+P353 In case of contact with skin [or hair]: Take off immediately all contaminated clothing. Wash skin with water or shower.

P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.

P501 Dispose of contents/container to hazardous or special waste collection point.



Recommended additional products

Cleaning	CAIRCON - Acid etching, CAIRCON - Special pre-cleaner
Substrate preparation	CAIRCON - Roof tile primer, CAIRCON - Leveling floor compound
Tools	CAIRCON floor roller, CAIRCON brush set, CAIRCON nail soles
Similar products	CAIRCON - Roof paint, CAIRCON - Nano facade paint, CAIRCON - Floor paint, CAIRCON - Tile paint, CAIRCON - Wood paint

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