

## Application Instructions / Technical Data Sheet

### CAIRCON - Metal protection paint 4in1

CAIRCON Metal protection paint is a satin-gloss, solvent-based paint for metals such as steel, iron, aluminium and zinc indoors and outdoors. Active anti-corrosion pigments and high-quality resins provide long-lasting protection and effectively prevent rust. This paint serves simultaneously as rust protection, primer, intermediate coat and topcoat (4in1 effect).

**Check colour accuracy with a test coat BEFORE application; no complaints or exchanges are possible after application. On continuous surfaces, use only colours from the same delivery or with an identical batch number. Repairs to a surface must also use material and tools with the same consistency and batch number.**

#### Step 1. Substrate preparation

1. **General:** Remove loose old coatings and rust. Sand and prime if required. Mask surfaces that are not to be painted. The substrate must be dry, clean, sound, free from grease and free from contaminants and separating substances, such as algae, moss, resins, waxes and oils. For thorough pre-cleaning, we recommend using our **CAIRCON Special Degreaser**. It reliably removes grease, oil and other contaminants to improve coating adhesion. Resinous areas and particularly stubborn contaminants must be thoroughly removed **with CAIRCON Universal Thinner** before coating.

2. **Iron and steel:** Mechanically remove rust, mill scale, scale and welding residues until a metallic glossy surface is visible. Sharp edges and burrs should also be rounded.

3. **Zinc:** Zinc surfaces should be carefully prepared with a special zinc cleaner as substrate pre-treatment. Sharp edges and burrs should also be rounded.

4. **Aluminium:** Clean the surface with nitro universal thinner, then sand with a nylon abrasive pad and finally clean again with nitro universal thinner until there is no further grey residue on the cloth.

#### Step 2. Application

1. **Application methods:** The material can be applied by brush or roller. For convenient and even application, we recommend using a **CAIRCON Floor Roller**. Always work wet-on-wet for a uniform appearance. When rolling, apply the material evenly (comply with the specified coverage) and cross-roll. Stir well before use.

**Important: Before painting larger surfaces, always prepare a test area first and check adhesion and the required colour once dry.**

2. **Multi-coat application:** To avoid texture defects, the topcoat should not be worked further afterwards. The coating should form a closed, homogeneous paint layer without pinholes or defects. Only in this way can reliable, long-lasting rust protection be ensured. Do not use on surfaces coated with synthetic resin paint. The paint can be applied with a brush or roller. Always work wet-on-wet to avoid lap marks.

**If third-party products are used for substrate preparation, verify their compatibility and a satisfactory final result by preparing a test area BEFORE coating. When third-party products are used, no liability can be accepted for a proper application result.**

#### Thinning

**CAIRCON Universal Thinner** is used to adjust the application viscosity of solvent-based coating materials. Depending on the product and the required consistency, the recommended addition is **between 5% and 10%**. Thinning is especially recommended when applying with a spray gun and for the first coat applied with a roller or brush.

### Cleaning tools

Tools must be cleaned thoroughly with **CAIRCON Universal Thinner** immediately after application. Dried residues can be softened by soaking in thinner and then removed.

### Drying times

Please note: these times apply only at an optimum air temperature of 20-25°C and humidity of 40-60% and may be extended considerably at lower temperatures or higher humidity.

| dust dry | recoatable | fully cured                                                                       |
|----------|------------|-----------------------------------------------------------------------------------|
| 4 hours  | 12 hours   | 14 days (do not recoat the surface during this time because of wrinkle formation) |

### Technical data

|                         |                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------|
| Gloss level             | satin gloss                                                                                                       |
| Composition             | Alkyd resin, solvents, fillers, pigments, additives                                                               |
| Coverage                | approx. 5-8 m <sup>2</sup> /L per coat (two coats recommended)                                                    |
| Areas of application    | Metal in exterior and interior areas                                                                              |
| Application             | with roller, brush or spraying equipment                                                                          |
| Application temperature | also at low temperatures from +5°C; ideal 15-23°C                                                                 |
| Shelf life              | approx. 24 months when unopened containers are properly stored at +5°C to +25°C. Protect from frost and moisture. |

### Disposal

Only recycle completely empty containers.

### Recommended additional products

|                       |                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------|
| Cleaning and thinning | <b>CAIRCON</b> Special Degreaser, <b>CAIRCON</b> Universal Thinner                  |
| Tools                 | <b>CAIRCON</b> Floor Roller, <b>CAIRCON</b> Brush Set                               |
| Similar products      | <b>CAIRCON</b> Metal protection paint 4in1 <b>Matt</b> , <b>CAIRCON</b> Metal Paint |

### Warnings and safety information

Hazard pictograms:



**GHS07**  
Exclamation mark



**GHS02**  
Flame

**Signal word:** Danger

**Hazard statements for physical hazards:**

H225 Highly flammable liquid and vapour.

**Hazard statements for health hazards:**

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**Hazard statements for environmental hazards:**

H412 Harmful to aquatic life with long lasting effects.

**Supplemental hazard statements:**

EUH066 Repeated exposure may cause skin dryness or cracking.

**Precautionary statements - Prevention:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

**Precautionary statements - Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Precautionary statements - Disposal:**

P501 Dispose of contents/container at a suitable recycling or disposal facility.