

PRODUCT DATA SHEET

Product Description

RomoCoat PhosGuard RP Blue is a single-pack, air-drying, light phosphatizing protective coating formulated to provide corrosion resistance without requiring multi-tank phosphating systems, heated tanks or water-bath treatments. It is a **Light Phosphating Rust Preventive Pretreatment Coating**.

The product forms a thin, light phosphate coating on ferrous metal substrates, offering excellent adhesion for subsequent paint finishes and effective under-film corrosion protection. The blue – Colour finish makes application coverage easily visible during spraying, ensuring consistent coverage without gaps.

Key Features

- Single-pack system; ready to use, no mixing.
- Light phosphating action forming a thin phosphate layer at 5–10 microns DFT.
- Air-drying with option to stove at low temperature (100 °C for 5 minutes).
- Provides excellent mechanical key and adhesion for alkyd, polyester, epoxy and polyurethane topcoats.
- Under-film corrosion resistance; reduces spread of rust from damaged topcoat areas.
- Very low film build, ideal for precision parts and complex geometries.
- Supplied at application viscosity; no thinner required in normal conditions.
- Blue - colour helps visual confirmation of uniform coverage.



Practical areas of application (without overcoating on your line)

- Storage protection for fabricated steel parts: press parts, brackets, frames, structures that may sit in your or customer's warehouse for weeks/months before final painting elsewhere.
- In-process protection for job-work / machining shops: supply machined or fabricated components to OEMs with a rust-free, "paint-ready" thin film instead of sending them bare.

Trusted Industrial Paint Solutions Since 1987

ROSALEE COLOURS PVT. LTD. - MONARCH CREATIONS GROUP

Mfg. Of Anti-Corrosive Primers, Epoxy – PU Paints, Rebar Protective Coat, Marine-Industrial Paints

Office: 219, Narshi Natha Street, Mumbai-9 **Factory:** C-1, GIDC, Waghodia, Dist: Vadodara, Pin: 391760. India

Ph: 91-7077002037 | Mobile / WhatsApp: +91-9820334530 E-Mail: sales@rosaleepaints.com | Website: www.rosaleepaints.com



- Drums, barrels and engineering components: internal factory or customer inventory where only temporary rust protection is required and final user will later blast/prime/topcoat by their own system.
- Spare parts and maintenance stocks: bolts, brackets, supports, small steel items stored in stores/yard where only clean, non-flaky, rust-free condition is needed, not a decorative topcoat.
- Export packing and long-distance transport: coat parts before packing so that during sea/road transit they arrive rust-free, and buyer will later remove/lightly clean and paint with their preferred system

Product Data

Type	: Single-pack, air-drying light phosphating coating.
Finish	: Slight / light shining.
Colour	: Blue (other colours on request).
Volume solids	: Approx. 7%.
Recommended DFT/coat	: 5–10 microns.
Theoretical spreading rate	: 14.0–7.0 m ² /L at 5–10 µm DFT.

Drying & Curing:

Surface dry	: 10–15 minutes at 30 °C.
Hard dry	: 8 hours at 30 °C or stove 100 °C for 5 minutes.
Overcoating interval	: Minimum 8 hours; maximum no limit.
Flash point	: Above 23 °C.
Thinner	: Not required (supplied at application viscosity).

Surface Preparation

- Surface must be dry and free from oil, grease, dust, rust and other contaminants.
- Preferred: Abrasive blast cleaning to Sa 2½ (Swedish / ISO 8501-1).
- If blasting not possible, use power tools or hand tools to remove loose contamination and rust; then blow down with clean dry air.
- Apply within a few hours of cleaning to avoid flash rust in humid conditions.

Pre-application checklist:

- Cleaned to Sa 2½ or best possible mechanical cleaning.
- Surface free from moisture and visible contaminants.

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Application

Application methods: Air spray, brush.

Spray application (recommended):

- Stir thoroughly before use.
- Adjust gun for a fine, even spray; 6–8 inch distance, 50% overlap.
- Aim for 5–10 µm DFT in a single coat (very thin film).
- Allow 10–15 minutes for surface dry before handling.

Brush application (small areas):

- Use for touch-ups or small components.
- Apply in thin, even coats; avoid heavy build.

Storage & Handling

- Store in original tightly closed container, in a cool, dry and well-ventilated place.
- Keep away from direct sunlight, heat sources and ignition sources.
- Typical shelf life: about 12 months in unopened containers under recommended conditions.

Health & Safety

- Avoid inhaling solvent vapour or paint mist and prevent contact with skin and eyes.
- Ensure good ventilation when using in confined or poorly ventilated areas.
- Use appropriate PPE: gloves, safety glasses and suitable respiratory protection as per local regulations.
- Do not discharge into drains or watercourses; dispose of waste according to local environmental rules.

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