

RomoCoat® 1255 – Zinc Phosphate Flow Primer Radiator DIP Coating (Immersion Coating)

Product Description

RomoCoat 1255 is a **high-performance zinc phosphate-based flow primer** specially developed for **radiator dip (immersion) coating applications**. It provides superior corrosion protection and long-term durability to radiator components.

The primer actively inhibits rust formation on **steel and metal substrates** by forming a protective zinc phosphate layer, which acts as a strong and stable base for subsequent topcoats.

A key speciality of RomoCoat 1255 is its **bubble-free flow coating performance**, ensuring smooth, uniform films even in immersion applications.

RomoCoat 1255 is a **two-component, phenalkamine-cured, air-drying primer**, pigmented with zinc phosphate, suitable for both **industrial and heavy-duty protective coating systems**.

PRODUCT DATA SHEET



Key Features & Benefits



- Excellent **anti-corrosive protection**
- **Bubble-free, smooth flow coating**
- Durable and **uniform coating film**
- Superior **adhesion** to metal surfaces
- Good **water and moisture resistance**
- **Fast drying**, enabling efficient production cycles
- Compatible with **epoxy and alkyd-based topcoats**
- Ideal for **flow and dip coating processes**

Strong & Credible

A trusted regular supplier to over 20 radiator and transformer manufacturers pan-India.

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

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ISO 9001:2000
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Application



It is ideally suited for Radiator DIP (Immersion) Coating, where bundles of radiator fins—typically made of steel or aluminum—are immersed into a coating tank containing the primer.

This process ensures:

- Complete coverage, including **hard-to-reach areas**
- **Uniform and consistent film thickness**
- Enhanced **corrosion protection** of the entire assembly

Application Methods

Airless Spray, Air Spray, Brush, Flow / Dip Coating

Typical Uses

- **Industrial radiators**
- **Automotive radiators**
- **HVAC radiators**
- **Heat exchangers**
- **Metal components requiring long-term rust protection**

Product Data Sheet

Property	Details
Mixing Ratio	4 : 1 (by volume)
Pot Life	3–5 hours at 30°C
Volume Solids	Approx. 73 ± 3 %
Recommended DFT / Coat	90–120 microns
Theoretical Spreading Rate	8.11 – 6.08 m ² /L at recommended DFT
Surface Dry	1 hour at 30°C
Hard Dry	4 hours
Fully Cured	7 days at 30°C
Overcoating Interval	Min: 4 hours / Max: 4 weeks
Colour	Grey
Finish	Matt
Flash Point	23°C (Above)
Thinner	Rosa-TH Epoxy Thinner

Surface Preparation

- Steel surfaces should preferably be **shot-blast cleaned to Sa 2½** as per Swedish Specification
- Alternatively, surfaces must be **clean, dry, and free from oil, grease, dust, rust, and other contaminants**
- Non-ferrous surfaces should be **adequately roughened** to ensure proper adhesion

Health & Safety

- Avoid inhalation of solvent vapors or paint mist
- Avoid contact with skin and eyes
- Ensure **adequate ventilation**, especially in confined or poorly ventilated areas
- Use appropriate **personal protective equipment (PPE)**
- Follow all applicable **local and national safety regulations**

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