

RomoCoat EHB Epoxy High Build Zinc Phosphate Primer

RomoCoat EHB is a **two-component, polyamide-cured, high-build epoxy anti-corrosive primer** pigmented with zinc phosphate for structural steel and suitably prepared non-ferrous substrates.

Product description

- Two-pack epoxy primer with high volume solids and zinc phosphate anticorrosive pigment.
- Designed for aggressive and industrial atmospheres where resistance to water, moisture, mild chemicals, sultry coastal conditions and abrasion is required, and can be used as a primer in tank lining systems.



Typical applications

- Structural steel and fabrication: beams, columns, platforms, pipe racks and general plant steelwork in coastal/industrial environments.
- Refineries, petrochemical and chemical plants: process structures, tank externals, pipe racks and loading bays.
- Power plants and utilities: boiler structures, ESPs, chimneys, conveyors and cable-tray supports.
- Marine/coastal on-shore steel: jetties, cranes, yard structures and port equipment above splash zone.
- Tank lining systems: as primer on blasted steel for compatible epoxy tank linings for water, fuels and many chemicals (subject to lining TDS).
- Non-ferrous/other: suitably roughened aluminium, galvanized steel and some concrete surfaces where an epoxy primer is specified.

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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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Product Data Sheet

Property	Details
Mixing Ratio	3 : 1 by volume
Pot Life	4-5 Hrs(30°C)
Application Methods	Airless Spray, Air Spray, Brush
Nozzle Orifice	0.017" – 0.019"
Volume Solids	Approx. 58%
Finish	Matt
Colour	Grey and Redoxide
Recommended DFT / Coat	50-125 microns
Theoretical Spreading Rate	1 1.60-4.60 M2 /Ltr at above DFT
Surface Dry	1 hour at 30°C
Hard Dry	16 hours
Fully Cured	7 days at 30°C
Overcoating Interval	Min: 4 hours / Max: No 4 Weeks
Flash Point	Above 23°C
Thinner	Epoxy Thinner

Surface preparation

- Steel: preferably abrasive blast clean to Sa 2½ (ISO 8501-1 Swedish standard); surface must be dry and free from oil, grease, dust, mill scale and other contaminants.
- If blasting is not possible: thorough mechanical cleaning (power tool / hand tool) to remove loose rust and old coatings, followed by dust removal.
- Non-ferrous surfaces (e.g. aluminium, galvanized): must be cleaned, degreased and sufficiently roughened (sweep blasting or sanding) to ensure adhesion.

Application guidance

- Mix base and hardener in the specified ratio (3:1 by volume) and allow recommended induction time if required by internal standard.
- Adjust viscosity with epoxy thinner as needed for spray; avoid over-thinning to maintain DFT and performance.
- For airless spray, use 0.017"-0.019" tip, ~150–200 bar pressure (typical range for high-build epoxy primers).
- Apply 1–2 coats to achieve total system primer DFT as per specification (usually 75–150 µm).

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- Ensure correct overcoating window: minimum 4 hours at 30 °C; if exceeding 4 weeks, lightly abrade/sweep blast before overcoating to ensure intercoat adhesion.

Compatible systems

- Intermediate: epoxy MIO / epoxy high-build intermediate coats.
- Topcoats: epoxy, acrylic aliphatic polyurethane or polysiloxane finishes depending on exposure class.
- Tank lining: compatible epoxy linings for water, hydrocarbons and many chemicals (always follow lining manufacturer's system recommendations).

Health & safety

- Avoid inhalation of solvent vapour and paint mist and prevent contact with skin and eyes; use suitable PPE (gloves, goggles, respirator) as per local regulations.
- Ensure forced ventilation in confined or poorly ventilated spaces when spraying or during drying.
- Follow national and local regulations for handling, storage and disposal of solvent-borne epoxy coatings.

Storage

- Store in a cool, dry, well-ventilated place away from direct sunlight and heat sources.
- Keep containers tightly closed when not in use; protect from moisture and contamination.
- Shelf life: as per internal QC (typically 12 months in unopened original containers under recommended storage conditions)

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