

## PRODUCT DATA SHEET

### RomoCoat Two Pack Etch Primer

RomoCoat Two Pack Etch Primer is a **two-component, self-etching primer** that chemically bites into metal and gives excellent adhesion on galvanised iron, aluminium and other non-ferrous metals, and also improves adhesion/corrosion resistance on steel.

#### Product description

- Two-pack air-drying etch / wash primer based on special resins and acidic components, designed to etch the metal surface and create a thin, tightly adherent conversion layer.
- Provides strong adhesion for subsequent primers and topcoats, especially on difficult metals where normal primers tend to peel or flake (GI, aluminium, light alloys, pre-coated sheets).

#### Typical applications

##### Adhesion promotion on non-ferrous metals

- Galvanised iron sheets, purlins, guard rails, cable trays, ducts, roofing sheets and metal sprayed steel where adhesion is normally poor.
- Aluminium: panels, doors/windows, cladding, tanks, housings, light alloys and extrusions.
- Other non-ferrous: zinc, copper, brass and tin components where a thin etching primer is required before main primer/topcoat.

##### On ferrous metals

- Bare steel or thin sheet metal that cannot easily be blast-cleaned; etch primer plus hand/power-tool abrasion gives enough key for subsequent primers/finishes.
- As a first coat in high-humidity/monsoon conditions to reduce flash rust and improve adhesion of full paint systems.

*Important: Etch primers are **very thin** and give only limited corrosion resistance by themselves; they must be overcoated with a suitable primer or build coat for long-term protection.*



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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

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

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## Product data

- |                              |   |
|------------------------------|---|
| • Finish                     | : Smooth and matt.  |
| • Colour                     | : Greenish yellow.  |
| • Application methods        | : Air spray, brush.   |
| • Recommended DFT per coat   | : 5–10 µm.  |
| • Theoretical spreading rate | : Approx. 8–9 m <sup>2</sup> /L at 5–10 µm DFT<br>(on smooth metal; practical coverage lower) |
| • Surface dry                | : 10–15 minutes (typical fast-dry etch).  |
| • Hard dry                   | : About 1 hour at 30 °C, or can be stoved at 100 °C for 5 minutes for faster handling.        |
| • Overcoating interval       | : Minimum 4–8 hours Flash point: above 23 °C.   |
| • Thinner                    | : Normally not required (supplied ready for use)  |

## Surface preparation

- All surfaces must be dry and free from oil, grease, salts, dust and other contaminants; degrease with suitable solvent/cleaner where necessary.
- Galvanised / aluminium / non-ferrous:
  - Lightly abrade or scuff with Scotch-Brite / fine abrasive where possible to remove passivation layers/oxide and to assist the chemical etch.
- Steel / ferrous:
  - Ideally blast-clean to Sa 2–Sa 2½, but where blasting is not possible, thorough hand/power-tool cleaning (St 2/St 3) to sound bare metal is acceptable.

## Application guidance

- Mix base and activator strictly as per your internal mix ratio (not given in your text, so state on label, e.g. 1:1 or 4:1) and stir thoroughly until homogeneous.
- Apply very thin, even coat; do not exceed recommended DFT (5–10 µm). Thick films reduce etching action and can crack.
- Allow to dry for the specified minimum interval before applying the next coat (alkyd, epoxy, PU, chlorinated rubber, vinyl etc. – as per your compatibility list).

## Typical system examples

- GI / aluminium exterior:
  - 1 x RomoCoat Two Pack Etch Primer (5–10 µm) → 1 x epoxy or zinc-phosphate primer (30–40 µm) → 1–2 x PU or alkyd topcoat.

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- Steel in monsoon/high humidity (where blasting difficult):
  - Hand/power-tool clean → 1 x etch primer → 1 x anti-corrosive primer → finish coat (alkyd / epoxy / PU).

## Health & safety

- Avoid inhalation of solvent vapour and paint mist and avoid contact with skin and eyes; use gloves, goggles and appropriate respirator according to local regulations.
- Provide good / forced ventilation in confined or poorly ventilated spaces.
- Etch primers contain acidic components; follow SDS for handling, first aid and disposal and keep away from alkali-sensitive substrates not intended for treatment.

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