

TECHNICAL DATA SHEET

RUST CHEM

UNIVERSAL PRIMER



DESCRIPTION



Rust Chem Universal Primer is a high quality, fast drying, non-lifting, anti-corrosive, rust inhibiting primer for iron and steel. It is recommended for use on interior and exterior ferrous and non-ferrous metal, alloys and suitably prepared galvanized steel work.

Can be used as a “universal” primer under high performance topcoats and is also suitable as a “barrier” coat over conventional coatings, which would normally be attacked by strong solvents in high performance coatings. Use when good corrosion resistance is required. It is particular suitable for areas, where sand blasting is not practical but premium protection is required e.g. with an epoxy top coat.

COLOUR RANGE

Available in Yellow.

FEATURES

- Fast drying
- Non-lifting (wide re-coatability)
- Excellent adhesion
- Anti-corrosive

SPREAD RATE

- **RECOMMENDED MAXIMUM WET FILM THICKNESS PER COAT:**
100 microns (4 mils)
- **RECOMMENDED MINIMUM SPREAD RATE PER COAT:**
7m² - 10m² per litre (300-400 sq. ft./US gal)

DIRECTIONS FOR USE

For all metal surfaces, however, new galvanized and aluminium surfaces must be etched with a wash primer (etching primer) before priming. Old galvanized and aluminium surfaces which have been aged for at least 1 year can be primed without etching. Before using, stir thoroughly. Prepare each surface according to instructions below. Rust Chem Universal Primer can be applied by brush or air spray, however, brushing is recommended. For brush application it is recommended that Rust Chem Universal Primer be applied full-bodied, however, 250 ml of Ultima Xylo! Thinner can be added to 3.78 L of

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primer for easier flow, depending on the viscosity. Recoat after 12 hours.

GENERAL SURFACE PREPARATION

All surfaces must be properly cleaned to remove grease, dust, dirt and all contaminants before priming.

NEW SURFACES

New Steel: Light abrasive blasting recommended. Remove oil, grease, dust and all contaminants with a detergent solution and high-pressure freshwater hosing.

New Galvanized steel and Aluminum surfaces: Prime with a wash or etching primer before applying Rust Chem Universal Primer.

PREVIOUSLY PAINTED SURFACES

Aged metal surfaces: Depending on the condition of the surface, light to moderate blasting may be required. Normal exposure would require hand or power tool cleaning whereas severe exposure may require commercial sandblasting. If blasting is not practical but premium protection is required, use conventional cleaning methods.

DRYING TIME

Touch dry: 30 mins Recoat: After 12 hours
Curing time: 21 days - dependent upon conditions

CLEAN- UP

Clean spray equipment with Ultima Xylol Thinner.

COMPOSITION

Yellow iron oxide, Zinc phosphate, Zinc Chromate, specialty additives, short-oil alkyd resin modified with phenolic resin and rosin, xylene solvents.

PROPERTIES

Viscosity (KU at 25°C)	80-83
Density (US lb/gal)	11.8 ± 0.2
Solids Content by Weight	68 +/- 2%
Drying Time (4 mils)	To recoat – 30 mins under normal conditions of temperature and humidity.
Recoat/Top coat	12 hours or overnight

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Gloss (at 60°)	≤ 5 (Matte)
VOC	350 g/l
Flash Point	29°C (84°F)
Colour	Yellow
Coverage (m2/litre)	7.3-9.8 (300-400 ft2/gal) depending on the porosity and texture of the surface.
Shelf Life	Two years under recommended storage conditions, in unopened container.

PACKAGING SIZES

Available in 945ml (1qt), 3.8 litres (1 US gal), 19 litres (5 gal).

NOTE: Available in 204 litres (54-gallons) on request only.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

SAFETY DIRECTIONS

FLAMMABLE. Store in a cool place. Non-toxic under normal conditions.

FIRST AID: If in contact with skin, wash thoroughly soap and water. If product comes into contact with eyes, flush immediately with plenty water and seek medical advice. **DO NOT SWALLOW.** If ingested, seek immediate medical attention.

TECHNICAL ASSISTANCE

For advice and recommendation on the use of all Harris/BH Paints and Building Products, consult the Harris Technical Department, Tel: (246) 429-4840.

Email: technical@harrispaintsonline.com