

TECHNICAL DATA SHEET

RUST CHEM QUICK DRY ENAMEL



DESCRIPTION



Rust Chem Quick Dry Enamel is a hard-wearing abrasion resistant non-toxic industrial enamel. It is an excellent economical coating for the spray-applied finishing of machinery, equipment and furniture.

This paint, which may also be force-dried, exhibits excellent adhesion to steel and good resistance to yellowing up to 80°C. Its rapid drying and hardening properties allow for quick handling of painted objects.

COLOUR RANGE

Available in White and custom tinted colours.

FEATURES

- Non-toxic coating
- Rapid drying
- Durable
- Good yellowing resistance
- Good abrasion resistance – tough finish
- Excellent salt spray resistance
- High gloss
- May be force dried
- Industrial grade enamel

SPREAD RATE

- **RECOMMENDED MAXIMUM WET FILM THICKNESS PER COAT:**
60 microns (2.5 mils)
- **RECOMMENDED MINIMUM SPREAD RATE PER COAT:**
17.5-20 m² per litre (700-800 sq ft/ US gal)
350 square feet per U.S. Gallon (8.8m² per litre) approximately, as a full finish.

DIRECTIONS FOR USE

Surface must be clean, dry and free from loose scaling paint. Rusted areas must be scraped, or wire brushed to base metal. **Rust Chem Quick Dry Enamel** may be applied direct to bare metal. Rust Chem Quick Dry Enamel may wrinkle some fresh, uncured alkyd

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primers or base coats. Apply a test area over previously applied paint before proceeding with a full application.

Stir well before use. Spraying is recommended for best appearance. Rust Chem Quick Dry Enamel may be thinned with up to 25% of Ultima Xylol Thinner (3 paint to 1 Thinner by volume) to obtain a suitable spraying viscosity, using an air pressure of 35 – 40 psi and a 1.3 tip size nozzle. Apply two coats, wet on wet, allowing 5 minutes flash off between coats.

Optional use of Bransol Catalyst: By adding 250 ml of Bransol Catalyst (an isocyanate hardener) to 3.78L (1 U.S. gallon) of Rust Chem Quick Dry Enamel, the hardness of the resulting film can be greatly improved. If the Enamel is catalyzed, then the mixture will have a pot life of about 2 hours (at an ambient temperature of about 30°C), therefore only mix what is needed and never add unused catalyzed mixture to the original Enamel.

RECOMMENDED PAINT SYSTEMS

<i>For Ferrous Metal Surfaces</i>	<i>For Galvanized Metal and Aluminum</i>	<i>For Wooden Surfaces (Interior)</i>
<ul style="list-style-type: none"> • 1 or 2 coats Harris/BH Rust Chem Universal Primer • 2 coats Rust Chem Quick Dry Enamel 	<ul style="list-style-type: none"> • 1 coat Rust Chem Quick Dry Primer or 1 coat Harris/BH Rust Chem Universal Primer • 2 coats Rust Chem Quick Dry Enamel 	<ul style="list-style-type: none"> • 1 coat Ultima Wood Primer • 2 coats Rust Chem Quick Dry Enamel

GENERAL SURFACE PREPARATION

All surfaces must be clean, dry and free from dust, oil, grease, wax, dirt, and loose paint.

NEW SURFACES

Ferrous Metal: Remove any deposits of rust or corrosion using suitable abrasion and /or with a suitable chemical rust remover. Then, for best protection, prime entire surface with Rust Chem Universal Primer.

Galvanized Metal and Aluminum: Wash surface with Tri Sodium Phosphate (TSP) solution or other suitable cleaning solution to remove dust and weathered particles. Prime with Rust Chem Quick Dry Primer or Rust Chem Universal Primer.

Wood (Interior): Sand to smooth finish. Seal all knots and sappy streaks with a shellac-based sealer and when dry, prime with one coat of Ultima Wood Primer. For non-porous surface, seal with one coat of Rust Chem Quick Dry Primer, thinned 10% using Harris/BH Ultima Xylol Thinner. Sand lightly in the event of raised grains.

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PREVIOUSLY PAINTED SURFACES

For paint that is in sound condition, clean thoroughly to remove any contaminants and allow to dry. Remove mildew and fungus by washing with Tri Sodium Phosphate (TSP) solution or other suitable cleaning solution. Very glossy areas should be sanded to a dull finish and wiped free of dust to provide good adhesion.

Rust Chem Quick Dry Enamel may wrinkle some alkyd primers or basecoats. First apply a test area over previously applied paint before proceeding with the full application.

DRYING TIME

Dust Free: 10 -15 mins
 Tack Free: 30 - 45 mins
 Recoat: Within 1 hour or after 24 hours
 Dry to Handle: 4 hours
 Hard dry: 12 hours

CLEAN- UP

Clean tools and equipment with Ulttima Xylol Thinner.

COMPOSITION

Titanium dioxide and/or colouring pigments in short oil alkyd resin, driers and xylene.

PROPERTIES

Colour	White/customer-specified colours.
Coverage (m²/litre)	8.8 depending on method of application and surface.
Viscosity (#4 Ford Cup at 25°C)	80-90 secs
Flash Point	27°C
Solids Content by Weight	60-63%
Gloss	≥ 85
VOC	425-500 g/l
Specific Gravity (g/cm³)	1.10-1.16
Thinner	Harris/BH Ulttima Xylol Thinner.
Shelf Life	2 years under recommended storage conditions.

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PACKAGING SIZES

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

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

PRECAUTIONS

POISON

KEEP OUT OF REACH OF CHILDREN

SAFETY DIRECTIONS

FLAMMABLE. Store in a cool place. Do not inhale vapours. Ensure maximum ventilation during application and drying. With spray application, use of an approved respirator is advised.

FIRST AID: If in contact eyes, rinse immediately with plenty water and seek medical advice. If in contact with skin, wash immediately with plenty soap and water or use proprietary skin cleanser.

DO NOT SWALLOW. If swallowed, do not induce vomiting, wash out mouth with water and 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