

A764 Corroless E – Rust Stabilising Primer

PRODUCT DESCRIPTION AND USES

Corroless E is a two-pack epoxy rust-stabilising primer designed to deliver superior priming protection in demanding environments. It offers excellent adhesion to a wide range of surfaces, combined with strong chemical resistance and a practical working life that makes application efficient and reliable.

Corroless E is suitable for use on a variety of substrates and structures, including piping, cranes, mechanical equipment, bridges, railings, tank externals, aluminium hulls, and other forms of structural steel, making it a versatile choice for industrial and marine applications.

PHYSICAL PROPERTIES

Appearance	Red Brown – E1, Buff – E2 / Low Gloss
Pack Size	4L
Mixing Ratio	4:1 Base to Hardener (by volume)
Working Life (18°C)	6 hours
Volume Solids	54% (mixed)
Shelf Life	12 months (when stored in original sealed containers)
Storage Temperature	10-20°C
Drying Time (18°C)	Touch Dry: 4 hours Hard Dry: 16 hours
Recoat Time (18°C)	Minimum: 16 hours Maximum: 7 days
Flash Point	21°C (mixed)

SURFACE PREPARATION

Recommended substrate: Steel

Manual Preparation

Prepare using rust scrapers, chipping hammers, needle guns, wire brushes etc to St3 as per the Swedish International Standard S15055900 or equivalent. Ensure all scale is removed. Wash down with clean fresh water prior to application. Allow to dry.

Mechanical preparation

Blast clean to minimum Sa1 as per the Swedish International Standard S15055900 (SSPC SP-7) or equivalent. High pressure water jetting may also be utilised. Wash down with clean fresh water prior to application. Allow to dry.

New Steel

All mill scale must be removed prior to application.

Maximum surface profile:	75 microns (3 mils).
Grit type:	Silica free grit

APPLICATION DATA

May be applied by brush, roller or airless spray.

Before use, Corroless E should be thoroughly mixed using a power mixer—such as a drill with a paddle attachment—at medium speed for two to three minutes, or until a uniform colour is achieved. For best results, pre-stir both the base and hardener separately before combining.

All sharp edges, welds, nuts, bolts, and similar areas should be stripe coated prior to full application.

When applying by brush, use the product unthinned, laying it on without excessive brushing. For roller application, a lambswool roller is recommended, with up to 10% Corroless No. 4 Thinner if necessary. When using airless spray equipment, apply the product unthinned.

Corroless E is compatible for overcoating with Corroless RF35, RF60, and RF15. If overcoating occurs more than 24 hours after application, the surface should be cleaned using a detergent solution followed by a clean water rinse. For overcoating after 7 days, the surface must be abraded to provide a mechanical key, then washed down with clean fresh water to remove any contaminants.

Minimum Surface Temperature	3°C above dew point
Maximum Relative Humidity	85%
Temperature Range	8-40°C
Tip Size	0.017-0.021"
Fan Angle	30-50°
Nozzle Pressure	2800 psi
Recommended D.F.T	50 microns
Recommended W.F.T	90 microns
Theoretical Spreading Rate	10.8m ² /litre
Thinners / Cleaners	Corroless No. 4

HEALTH AND SAFETY / STORAGE

For detailed information refer to the product label or SDS, available on request.

OTHER INFORMATION

This product may be used for a wide variety of surfaces. If the surface you propose to paint is not referred to, contact Protective Paints Technical Department for classification. For further technical information please phone 0800 724 684.

The information concerning the use and application of this product is intended for use by professional specifiers and applicators, is given in good faith and is believed to be correct at the date of issue. Protective Paints Ltd reserves the right to alter the product or specification without notice. The user should check the date of issue, and if more than 24 months have elapsed, should verify with our nearest sales office that the information is still current. Because we cannot control the way these products may be used, or the conditions they may be exposed to, we can give no express guarantees in respect of the performance of this product. However certain guarantees may be implied by law.

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