



REPAIR AND PROTECTION TECHNOLOGY

TECHNICAL DATA SHEET

CORRO-TECH R.C.

Single Component Water Based Rust Conversion System



Thortex Corro-Tech R.C. is a high performance water based anti-corrosive treatment designed for use as a rust conversion primer for use on manually prepared rusty steelwork in non aggressive environments.

Thortex Corro-Tech R.C. is based on a complex blend of acrylic resins and polymers combined with anti corrosive additives to produce a coating that when applied to manually prepared rusty steel converts residual rust into a chemically bonded hydrophobic passive layer which can be overcoated with a range of **Thortex** water based coating systems.

Thortex Corro-Tech R.C. is a non hazardous material and is simple to use with two coats applied wet on wet, being sufficient for most surfaces.

Before proceeding, please read the following information carefully to ensure that the correct application procedure is fully understood.

SURFACE PREPARATION

Oil and grease must be removed either by detergent or solvent wipe or steam cleaning. All loose rust and flaking material must be removed by wire brushing or high pressure water jetting. Best results are achieved when surfaces are prepared to standard St 2 in accordance with BS 7079:Part D3 (ISO 8504-3). Care should be taken to ensure corrosion products are completely removed from badly pitted areas.

MIXING

Thortex Corro-Tech R.C. is a single component material and should only require stirring prior to use to incorporate any slight separation.

APPLICATION

Thortex Corro-Tech R.C. should not be applied when humidity exceeds 85% or when the surface to be coated is less than 5°F above the dew point. Do not apply below 41°F air temperature.

Thortex Corro-Tech R.C. should be applied by brush, working the product well into the surface.

Thortex Corro-Tech R.C. should be applied in two coats on manually prepared rusty surfaces with the second coat being applied within 10-20 minutes on the first. Ideally the second coat should be applied before the first coat is touch dry. On smooth steel or galvanised steel only one thin coat should be applied.

All equipment should be cleaned IMMEDIATELY after use with clean water, any stubborn deposits can be removed by **Thortex Universal Cleaner**.

Theoretical Coverage Rate

159 ft²/liter at 1 mil dft

Recommended Film Thickness

Wet 3 mils

Dry 1 mil

Detailed working recommendations are available from the Technical Center on request.

PHYSICAL CONSTANTS**Mixing Ratio** Supplied ready for use.**Appearance** Opaque White Liquid.**Drying & Cure**

Times at 68°F	Touch Dry	30 minutes
	Dry to Handle	1½ - 2 hours
	Hard Dry	3 - 4 hours
	Minimum Overcoating	24 hours

Note: Drying times will be reduced in warm and windy conditions.**Volume Solids** 37%**V.O.C.** 56 gms/liter

Shelf Life Use within 12 months of purchase. For optimum shelf life, store in original sealed containers at temperatures between 40°F and 86°F. Where storage conditions prevent temperature being maintained below 86°F. Short-term storage up to 104°F will not cause adverse effect on shelf life.
PROTECT FROM FROST

HEALTH AND SAFETYAs long as normal good practice is observed **Thortex Corro-Tech R.C.** can be safely used.

Protective gloves should be worn during use.

A fully detailed **Material Safety Data Sheet** is either included with the material or is available on request.**PACKAGING**

Supplied in 5 liter units

FOR FURTHER INFORMATION PLEASE CONTACT

The information provided in this Product Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of the company. Users should determine the suitability of the product for their own particular purposes by their own tests. Detailed specifications are available on request from the company.



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