



Deox C

Concentrated Rust Remover

Permanent Painted Coatings

Application Information

PRODUCT FUNCTION:

Deox-C is a crystalline, 100% active, corrosion removal product. Formulated for the removal of corrosion products from steel, stainless steel and most ferrous material (*see Precautions below*). This product is dissolved in tap water to produce a bath of powerful rust removing liquid.

Use a Deox-C will eliminate the risk of distortion to thin steel sections, which can result from the blast-cleaning process. Unlike abrasive cleaning methods such as grinding, sanding or blast cleaning. Deox-C will not remove sound steel surrounding corroded areas. The risk of grit inclusion resultant from blast cleaning, proven to cause early coating failure, corrosion and mechanical wear, is eliminated. Slag-based blast cleaning media all contain heavy metals which when used in open-nozzle blast-cleaning equipment liberate dust that may contain harmful levels of these elements.

Precaution:

Deox-C is harmless, non-flammable, does not emit toxic vapours, it is biodegradable and will not damage the environment. However, Deox-C will sting skin abrasions and cuts. Wash with plenty of running clean water after skin contact. If hands are to be submerged for long periods rubber gloves should be used. In case of contact with eyes wash with plenty of running water and see medical advice.

APPLICATION

This product must be dissolved in water before use, it is suggested that hot tap water and stirring are used to speed dissolution; the resultant solution will be water-clear.

This strength of the solution may be varied from 5% to 20% by weight and volume of Deox-C to water.

Deox-C	Water	Strength achieved
1 Part	19 Parts	5%
1 Part	4 Parts	20%

It should be noted that 5% or 10% solutions are very effective even for heavy corrosion removal and allow the economical production of sufficient quantities of liquid to submerge large objects.

Always test Deox-C at low addition rates, it is often surprising to individuals that Deox-C can do its job at these low rates. Increasing solution strength up to 20% will remove very heavy corrosion and increase the bath's useful life, i.e. for prolonged repeated use.

SOAKING CONTAINERS:

Plastic and stainless steel vessels are suitable for holding the prepared liquid. Steel and galvanised steel should not be used. Commonly available, useful, containers include "buckets, plastic dustbins, domestic water-storage tanks, etc.

PREPARATION

Remove any very loose corrosion, oil, grease and dirt before immersion. Grease and oil will prevent successful.

treatment. Whilst Deox-C will remove very heavy corrosion it is preferable to remove loose corrosion mechanically to prolong the activity of Deox-C.

To increase treatment speed, items should be removed from the solution occasionally; rust which appears to be still attached to the surfaces can be very easily brushed away using a stiff plastic-bristled, or wire brush.

Continue immersion until a clean rust-free surface is achieved.

Prolonged soaking (+72 hours) may be required for very heavy corrosion especially at low temperatures. Remember to remove the article periodically to remove any surface build-up, this will help to keep the active Deox-C solution at the work face.

TEMPERATURE:

Very rapid corrosion removal is possible by heating the solution to 70°C–Max (with, for example, suitable immersion heaters). Slow results will occur with temperature at around 10°C. For hot tank applications it is preferable to prevent evaporation by using a loose fitting lid. When using hot-tanks check item hourly.

RINSING:

Rinse treated items with clean water; it may be necessary to agitate the surface with a stiff brush to remove debris accumulated in pits that were caused by corrosion. Dry surface after the rinsing process.

Note: If it is not intended to re-paint the item immediately, treat with a water displacing protective fluid such as PPC, SW2 oil or allow Deox-C to dry on the surface; this will provide a temporary protective film that can be removed subsequently by re-immersion into Deox-C for 1-2 minutes.

Deox-C baths will change colour as corrosion is removed. Once the solution is saturated (very dark yellow / black) the rust removal capabilities will be exhausted.

N.B. The subsequent use of Marine Clean and Metal Ready prior to painting is highly recommended.

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