

DonClean RR

Rust remover and cleaner for steel reinforcement bars and other steel and iron surfaces



Description

DonClean RR is a light brown color liquid solution incorporating acid based materials and corrosion inhibitors for the purpose of rust removal and cleaning of all steel and iron surfaces to bare metal without grit blasting, scraping, chipping or scrubbing. DonClean RR specifically attacks rust, not bright metals.

Applications

Any corroded steel surfaces that can be coated with or submerged in DonClean RR such as:

- ▲ Reinforcement steel bars.
- ▲ Water pipelines.
- ▲ Shuttering plates.
- ▲ Nuts, bolts, dowels and screws.
- ▲ Tools.

Advantages

- ▲ Ideal for restoring rusted parts to bare metal.
- ▲ Not corrosive on wood, glass, plastic and rubber.
- ▲ Ready to use, single component.
- ▲ Easy to use & effective.
- ▲ No grit blasting, scraping, chipping or scrubbing.
- ▲ Economical.

Method of Use

Surface Preparation

It is optional that steel surfaces be cleaned from any corrosion deposits, mill scale, oil, grease and dirt in order to enhance DonClean RR results. In the case of exceptional cases surface preparation by appropriate mechanical means is recommended.

Application

Note: Wear suitable gloves and eye/face protection before use.

DonClean RR should be mixed well before use.

Based on the degree of rust, the following estimated DonClean RR exposure times should be considered.

Technical Properties @ 25°C:

Colour:	Greenish clear liquid
Specific gravity:	1.160 - 1.220 @ 25°C
pH:	Acidic
Solubility:	Soluble in water

DonClean RR Exposure Times:

Light surface rust:	5 to 30 minutes
Moderate rust:	1 to 2 hours
Heavy rust:	2 hours to overnight (check regularly)

For brush application such as steel reinforcement bars:

DonClean RR can be applied by brush at a coverage rate of 2 - 3 m² per liter, ensuring proper soaking of the rusted areas.

Leave the DonClean RR soaked surfaces to react with the rust for the proper exposure time as stated in the table above.

Once the rust treated area's color has turned to clear, remove it and loose materials by wire brush and wash away with clean water, ensuring no acidic residue is left.

For soaking of parts such as pipe sections, nuts and bolts:

Pour the estimated amount of DonClean RR into a clean container.

Note: Used material should not be returned to original container.

Ensure full submersion of the rusted steel or iron part to react with the rust for the proper exposure time as stated in the table above.

Once the rust treated area's color has turned to clear, rinse with water and remove loose materials by wire brush, ensuring no acidic residue is left.

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For floor application for the removal of rust and mill scale:

Pre-wet the floors, then using a stiff bristle broom, brush the affected areas with a solution of DonClean RR to water varying between 1:1 and 1:4 (Test sample should be conducted to determine the solution ratio).

Leave the DonClean RR soaked surfaces to react with the rust for the proper exposure time based on the test sample and table above for reference.

Once the rust treated area's color has turned to clear, rinse with water and remove loose materials by wire brush, ensuring no acidic residue is left. Repeat if necessary

Cleaning

All tools should be cleaned immediately after application with clean water.

Packaging

DonClean RR is available in 1, 5 and 20 litre containers.

Note: Coverage depends on the rusted area and the depth of deposition.

Coverage

Approximately 2 - 3 m² per litre.

Storage

DonClean RR has a shelf life of 12 months from date of manufacture if stored in dry conditions at 25°C in original unopened packs.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

Cautions

Health and Safety

DonClean RR should be handled with care. Avoid contact with skin or eyes.

In case of accidental contact, rinse immediately with clean water and seek medical advise. Suitable protective gloves and goggles should be worn.

For further information refer to the Material Safety Data Sheet.

Fire

DonClean RR is nonflammable.

More from Don Construction Products

A wide range of construction chemical products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.