

## DonClean RR Method Statement

### (Rust remover and cleaner for steel reinforcement bars and other steel and iron surfaces)

#### Section A : General Comments

##### Equipment

It is suggested that the following list of equipment is adopted as a minimum requirement:

<i>Protective clothing</i>	:	<i>Protective overalls</i>
	:	<i>Good quality gloves goggles and face mask</i>
<i>Application equipment</i>	:	<i>Brush or sponge or spray</i>
	:	<i>Wire brush</i>
	:	<i>Stiff bristle broom</i>

#### Section B : Application

##### 1.0 Surface Preparation

- 1.1 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.
- 1.2 In exceptional rust cases, surface preparation by appropriate mechanical means such as wire brushing, sand blasting, etc. is recommended prior to the application of **DonClean RR**.

##### 2.0 Exposure Times

- 2.1 Based on the degree of rust, the following estimated **DonClean RR** exposure times should be considered:

**Table 1: Exposure Times**

DonClean RR Exposure Times:	
<b>Light surface rust:</b>	5 to 30 minutes
<b>Moderate rust:</b>	1 to 2 hours
<b>Heavy rust:</b>	2 hours to overnight (check regularly)



### 3.0 Application

- 3.1 Wear suitable gloves and eye/face protection before use.
- 3.2 **DonClean RR** should be mixed well before use.
- 3.3 Used material should not be returned to the original container.

#### For brush applications such as steel reinforcement bars:

- **DonClean RR** can be applied by brush at a coverage rate of 2 - 3 m<sup>2</sup> 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 Table 1.
- 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.
- Ensure 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.
- Ensure full submersion of the rusted steel or iron part to react with the rust for the proper exposure time as stated in Table 1.
- Once the rust-treated area's color has turned to clear, rinse with water and remove loose materials with a wire brush.
- Ensure no acidic residue is left.

#### 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 with a wire brush.
- Ensure no acidic residue is left.
- Repeat if necessary.

## 4.0 Cleaning

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

### Section C : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **DonClean RR**. It remains the responsibility of the Engineer to determine the correct method for any given application. Where alternative methods are to be used, these must be submitted to DCP for approval, in writing, prior to commencement of any work. DCP will not accept responsibility or liability for variations to the above method statement under any other condition.