



# **CT-7571-W Corten Protection**

## **Preparation, Application & Maintenance Guide**

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### **1. Product Overview**

CT-7571-W is a specialist protective coating designed for use on rusted and weathered steel surfaces, including Corten steel applications.

The coating has been specifically formulated to stabilise and protect the natural rusted appearance whilst significantly reducing further oxidation, leaching, staining, and environmental contamination.

CT-7571-W forms an ultra-thin transparent protective barrier whilst maintaining the natural aesthetic and texture of the substrate.

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### **2. Important Information Before Application**

Before application, ensure that the level of rusting and colouration of the substrate is visually acceptable, as the application of CT-7571-W will significantly reduce further oxidation and stabilise the existing finish.

Once the coating has been applied, the visual appearance of the rusted surface will be preserved in its current condition.

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### **3. Surface Inspection & Preparation**

#### **Step 1 – Surface Inspection**

Carry out a full inspection of the substrate prior to application.

Where structures have been stored externally, contamination such as:

- Bird droppings
- Dirt
- Salt deposits
- Environmental contaminants

must be removed prior to coating.

#### **Step 2 – Cleaning with ERW-BD**

Contamination should be removed using our ERW-BD by spraying generously, allowing to dwell for approx. 10 minutes then rinsed with clean fresh water.

**Important:** Do not rub, abrade, or aggressively clean the surface, as this may disturb the natural rusted finish.

Allow the substrate to dry fully before proceeding to the next stage.

#### **Step 3 – Dust & Loose Particle Removal**

Using a clean, dry paint brush, carefully brush the entire structure to remove loose dust and particles.

Do not use abrasives or aggressive cleaning methods.

A small amount of residual particle retention is acceptable.



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#### **Step 4 – Final Visual Inspection**

Fully inspect the structure and ensure the appearance is acceptable prior to coating.

If the desired appearance has not yet been achieved:

1. Do not proceed with coating application
2. Return the structure to the required environmental conditions to allow additional rust development
3. Re-assess the appearance before recommencing from Step 1

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#### **4. Environmental Conditions**

For best results, application should be carried out under the following conditions:

| PARAMETER                     | RECOMMENDATION                           |
|-------------------------------|------------------------------------------|
| Minimum substrate temperature | 10°C                                     |
| Surface condition             | Clean and dry                            |
| Relative humidity             | Below 85%                                |
| Moisture exposure             | Avoid rain or condensation during curing |

Application should not take place where moisture, condensation, or freezing conditions are present.

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#### **5. Application Methods**

CT-7571-W may be applied using the following methods:

- Micro fibre Roller
- HVLP spray equipment

##### **Micro Fibre Roller - Application Procedure**

1. Fill the roller tray with CT-7571-W
2. Thoroughly saturate the roller with coating
3. Compress the roller several times to remove trapped air

*Failure to remove trapped air may result in bubbles forming within the coating film and may affect the final appearance.*

4. Apply the coating evenly in multiple directions ensuring
5. Avoid overworking any single area for prolonged periods
6. Maintain a fully loaded roller during application

**\*\*\*\*Ensure continuous rolling so there is no white coating left visible\*\*\*\***

**GUIDE VIDEO**--See our You Tube application guide video for reference --

<https://www.youtube.com/watch?v=p2f12US4zks>

##### **HVLP Spray - Application Procedure**

- Follow the spray equipment manufacturer's operating instructions
- Apply CT-7571-W directly from the container
- Do not attempt to thin or dilute the coating

Ensure adequate ventilation is provided during spray application.



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#### **6. Drying & Curing**

Upon application, the appearance of the substrate may temporarily darken during the curing process.

Typical drying and curing times at ambient conditions are:

| STAGE     | APPROXIMATE TIME       |
|-----------|------------------------|
| Touch Dry | 30–45 minutes          |
| Full Cure | Approximately 24 hours |

Curing times may vary depending on environmental conditions and substrate temperature.

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#### **7. Additional Coats & Touch-Up**

Missed areas may be repaired or touched up using the same application method after the initial application has been completed.

Additional coats of CT-7571-W Thin Version may be applied where:

- Further rust leaching is present
- Additional surface stabilisation is required
- Increased protection is desired

Additional coats should only be applied after the previous coat has sufficiently cured.

Typical recoat time:

- Approximately 4 hours at ambient temperature

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#### **8. Health & Safety**

Suitable PPE should be always worn during handling and application, including:

- Chemical resistant gloves
- Protective eyewear
- Suitable respiratory protection where ventilation is limited

Ensure all work areas are adequately ventilated during application and curing.

Refer to the Safety Data Sheet (SDS) before use.

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#### **9. Documentation**

This Application Guide should be read in conjunction with:

- Technical Data Sheet (TDS)
  - Safety Data Sheet (SDS)
  - Aftercare & Maintenance Guide
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#### **10. Aftercare Instructions**

Once protected with CT-7571-W, Corten steel requires minimal ongoing maintenance. The coating provides long-term protection against corrosion, oxidation, UV exposure, acid rain, bird fouling and other environmental contaminants.

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#### **Routine Cleaning**

Simply rinse the surface with clean water. If required, use a mild soap or washing-up liquid with water, followed by a thorough rinse. Dry with a soft, clean cloth where appropriate.

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#### **For Stubborn Dirt**

Use a soft cloth or soft brush with mild soapy water. Bird fouling and other deposits should be removed as soon as reasonably possible.

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#### **What to Avoid**

- Solvent or petroleum-based cleaners
- Abrasive cleaners such as scouring creams\*\*
- Scouring pads, wire brushes or other abrasive cleaning tools
- Aggressive pressure washing
- Cleaning/rinsing in direct sunlight, particularly in hard-water areas, as this may leave water spots

**\*\*Important:** “Avoid abrasion” refers to abrasive cleaning methods that could scratch or damage the coating, rather than normal use of the protected surface.

If the coating is accidentally scratched or damaged, the affected area can normally be cleaned and touched up with CT-7571-W.

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#### **DISCLAIMER**

The information contained within this document is provided in good faith and is based upon Bromoco’s current technical knowledge and application experience. Application methods, environmental conditions, and substrate conditions may vary between projects. It is the responsibility of the applicator to ensure suitability for the intended application. Bromoco reserves the right to amend product specifications and application procedures without prior notice.