



## CT-7571-W Technical Data Sheet (TDS)

CT-7571-W is a crystal-clear, single-component, air-cured protective coating specifically developed for Corten steel. It forms an ultra-thin, transparent barrier that protects against environmental exposure while preserving the natural patina and appearance of the substrate.

### Key Features

| Feature                      | Description                               |
|------------------------------|---|
| Ultra-thin coating thickness | 8–12 microns                              |
| Appearance                   | Virtually invisible finish                |
| Application                  | Single coat, self-levelling               |
| UV Stability                 | Non-yellowing formulation                 |
| Use                          | Architectural and sculptural applications |

### Technical Performance

| Test                               | Result                          |
|------------------------------------|---------------------------------|
| Scratch Resistance (ASTM D3363-05) | H7–H8                           |
| Impact Resistance (ASTM D2794)     | Passed – No cracking or peeling |
| Salt Spray Resistance (ASTM B117)  | 1000 hrs – Rating 10            |
| Humidity Resistance (ASTM D1794)   | Passed                          |
| Chemical Resistance (ASTM D1308)   | Passed – No effect observed     |
| Mandrel Bend Test                  | Passed                          |
| Gloss Retention                    | No degradation observed         |



### Bromoco International Ltd

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Company Registration No. 09399815 VAT/EORI 246544104



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## Mechanical Properties

CT-7571-W demonstrates excellent abrasion, impact, and flexibility performance. The coating remains flexible during substrate expansion and contraction caused by thermal movement, without cracking, peeling, or delamination.

## Application Information

- Single-coat application
- Touch dry within 30–40 minutes at ambient temperatures
- No specialist application equipment required
- Suitable for new, weathered, or pre-rusted Corten steel surfaces

## Durability & Environmental Resistance

The coating provides long-term protection against moisture, UV exposure, environmental pollutants, and mild chemical exposure while maintaining the natural appearance of Corten steel. Testing confirmed resistance to thermal stress, abrasion, and environmental exposure cycles.

## Summary

CT-7571-W delivers a unique balance of durability, transparency, and ease of application. Its advanced formulation preserves the authentic appearance of Corten steel while providing robust protection in demanding architectural and industrial environments.



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