



**Kent**  
STAINLESS

07/2023

## Pre-Weathered Corten Steel



## DESCRIPTION

Kent's Pre-Weathered Corten is oxidised in a factory controlled environment, blasted after fabrication, then once the correct patina is achieved the surface is rubbed down to give an even appearance.

Corten develops a rusted appearance—but this 'patina' is corrosion resistant and acts as a protective layer to the steel below. The big advantage is that Corten should require no maintenance at all so it's ideal for areas that are hard to reach for cleaning and it also is a better blend for old parts of a city where old cast iron structures may be visible nearby and stainless may be too modern to blend in.

The disadvantage is the 'bleeding' where this patina can transfer onto clothing by physical contact, and also where rainwater causes that patina to discolour the rainwater thereby staining new paving directly adjacent to the installation. This can be aided by having a neat channel with a strip of gravel or sand at the base of the product. Corten can also be sealed—but this takes the appearance very close to 'Kent Imitation Corten'.



Corten A is a preferred choice for Architectural applications—and is the default Corten used by Kent

Corten B is the preferred choice for Structural Applications

**Specify:** "Pre-Weathered Corten Steel".



Connemara Sign— with stainless motif, Corten Planters to the front



Connemara Circle—Galway, Ireland

# STREET FURNITURE

Pre-Weathered Corten Steel



Cycle Stands—Battersea Power Station



# STREET FURNITURE

Pre-Weathered Corten Steel



Glue Laminated Timber Seats with Pre Weathered Corten Side Panels—Triton Square, London UK



Iroko Timber Seat/Tree Surround Pre Weathered Corten Side Panels—Triton Square

# STREET FURNITURE

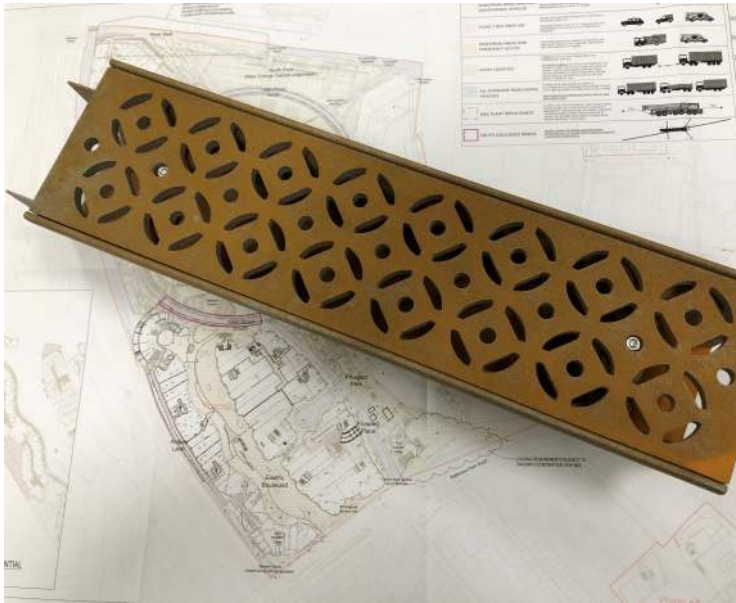
Pre-Weathered Corten Steel

Waterford Greenway Banner Poles—Waterford (structural steel)—Corten B



# STREET FURNITURE

Pre-Weathered Corten Steel



Neat Edge Channel—Canada Water, UK



Square Tree Grille —Canada Water, London UK

# STREET FURNITURE

Pre-Weathered Corten Steel



Lecterns—Doolough Valley Galway Wild Atlantic Way





# STREET FURNITURE

Pre-Weathered Corten Steel



Castlebridge Lectern—Wexford (Pre Weathering)



Castlebridge Lectern—Wexford (Post Weathering)

# STREET FURNITURE

Pre-Weathered Corten Steel



EPIC museum—Dublin (Pre Weathering)



EPIC museum—Dublin (weathered AND sealed)

# STREET FURNITURE

Pre-Weathered Corten Steel



# STREET FURNITURE

Pre-Weathered Corten Steel



Pre Weathered Corten (left) VS Imitation Corten



Pre Weathered Corten



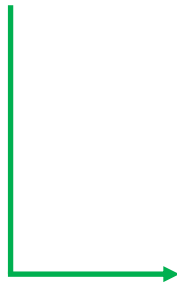
Imitation Corten

# STREET FURNITURE

Pre-Weathered Corten Steel

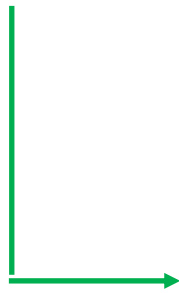


The Weathering process  
in our factory



# STREET FURNITURE

Pre-Weathered Corten Steel

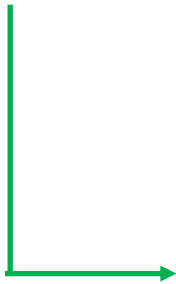


# STREET FURNITURE

Pre-Weathered Corten Steel



DAY 7



DAY 8



DAY 9

# STREET FURNITURE

Pre-Weathered Corten Steel



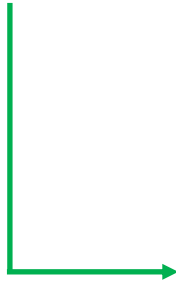


# STREET FURNITURE

Pre-Weathered Corten Steel



DAY 36



DAY 40



DAY 46



# STREET FURNITURE

Pre-Weathered Corten Steel



## CorTen Steel Maintenance.

The orange/brown patina colour acts as a seal to the underlying steel and protects it from oxygen and after about 6 months stops the steel from rusting any further. Because the patina is coarse and the loose ferrous material can be rubbed, it resists stickers. Sometimes a greasy handprint or oily fingerprint can prevent the oxidization from forming. Rubbing the patina with a dry cloth will move the patina evenly spread the patina—but will change its appearance so this will need to be done to the entire structure or at least all parts of it adjacent to the part needing attention.

Similarly with graffiti - rubbing the area first with a dry cloth or soft nylon brush. If this is not enough a solvent can be used but this will alter the appearance of the CorTen directly in this area and so the entire adjacent area should then be rubbed and let to re-weather over the following weeks.



Sealed Corten can be supplied - but this is not the intended finish for outdoor use. It is suitable for indoors - but Kent Imitation Corten is the preferred choice



Jigsaw Sculpture—Mayo

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