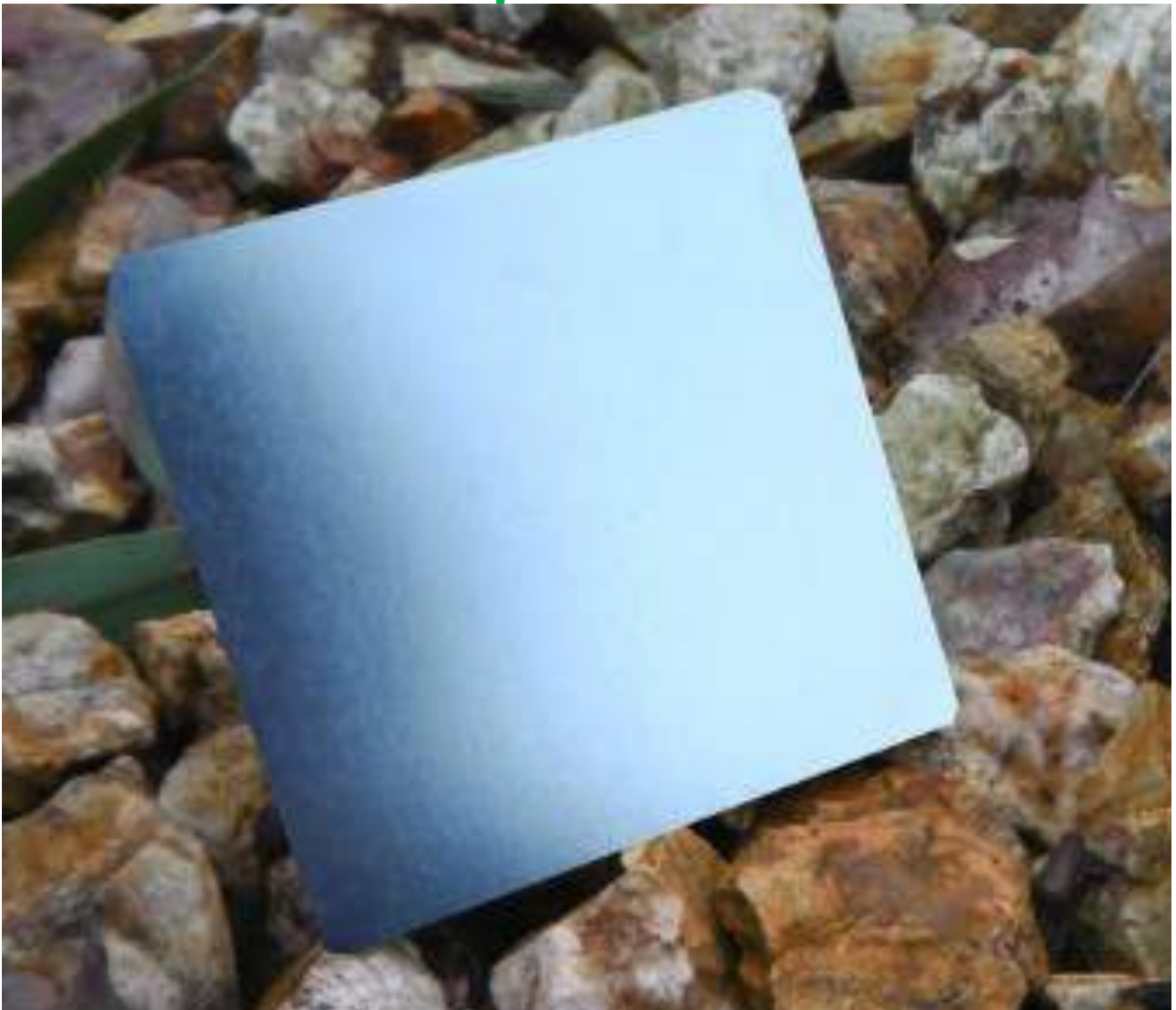


Cold Rolled Electropolished



DESCRIPTION

Kent Cold Rolled Electropolished is a highly reflective, bright finish that reduces bacterial growth contamination. It is not a 'mirror' finish, but is often referred to a 'hazy mirror' finish. It is created by submerging the fabricated stainless steel product in our electrolytic acid tank, which dissolves some surface metal, smoothing down the microscopic peaks and removing contaminants.

It can be used in the Public Realm in marine environments and on products that do not have a very large surface area that would reflect sunlight in an obtrusive way. It is often used to create a contrast on small area next to a larger area with a different polish.

Kent also uses it in Pharmaceutical or Laboratory projects where super hygienic applications may be required

Kent Internal reference is 'KF6' and appended with Cold Rolled — Electropolished



In Europe and the UK the standard BS EN10088-2 does not have an equivalent to this.



Instead this is covered by the standard "BS EN ISO 15730:2016-Metallic and other inorganic coatings. Electropolishing as a means of smoothing and passivating stainless steel".



The closest designation to it is '2P' when we use it on 'Cold Rolled' stainless sheet and the terms 'Bright Polished' is used. While this is the polish Kent Stainless use when this term is specified it is not an exact equal to '2P'.



In the USA & Canada the standard ASTM B912 is generally used for compliance of electropolishing and is written with the pharmaceutical, aerospace, medical and scientific industries in mind



Specifying an Ra of approximately 0.2 microns (aka 0.2µm) will mean the surface roughness is super fine and so there are less crevices for contamination to adhere to

Specify: "Kent Cold Rolled Electropolished Finish".

STAINLESS STEEL FINISHES

Cold Rolled Electropolished



Swansea Seat —Swansea, UK



Anti-Skate Swoosh Stud—Miesian Plaza, Dublin

STAINLESS STEEL FINISHES

Cold Rolled Electropolished

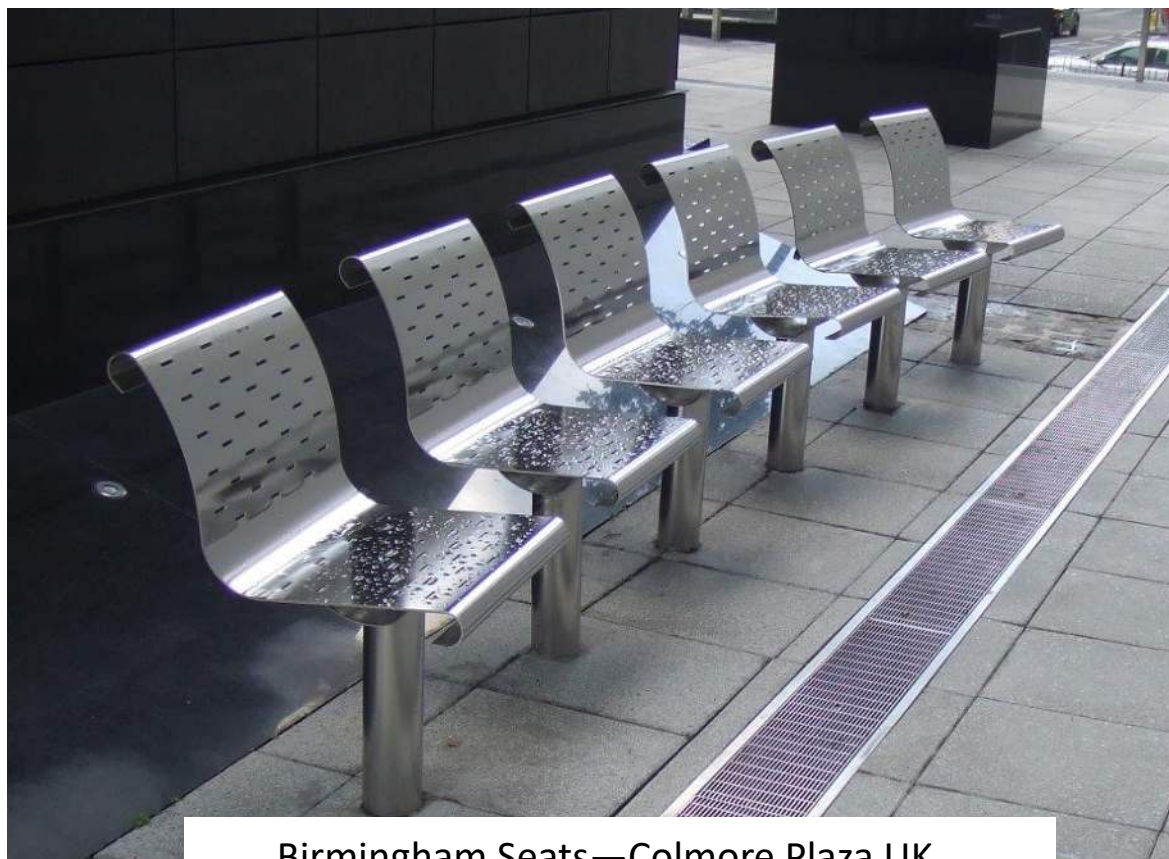


Naas Benches—Naas



STAINLESS STEEL FINISHES

Cold Rolled Electropolished

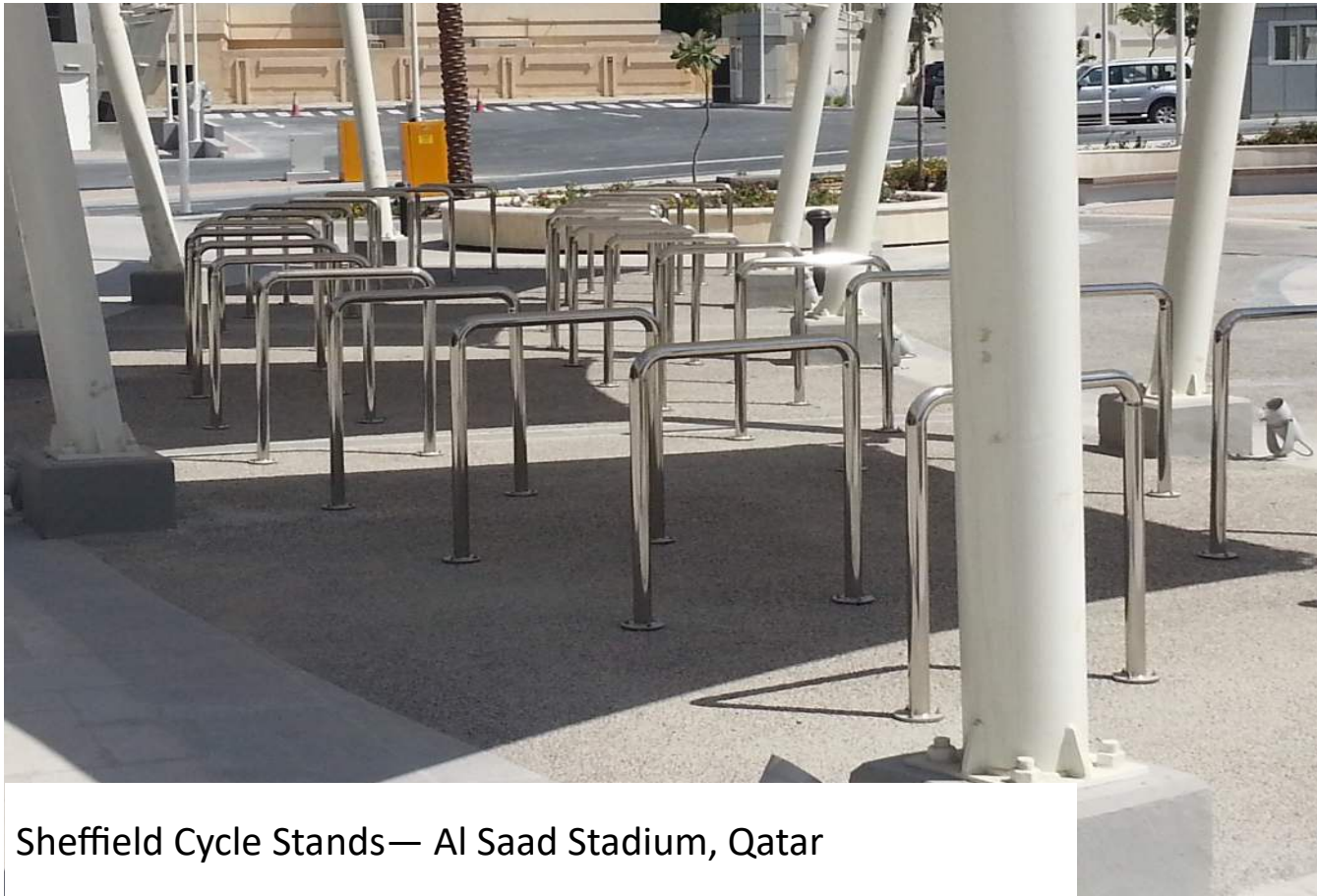


Birmingham Seats—Colmore Plaza UK



STAINLESS STEEL FINISHES

Cold Rolled Electropolished



Sheffield Cycle Stands— Al Saad Stadium, Qatar



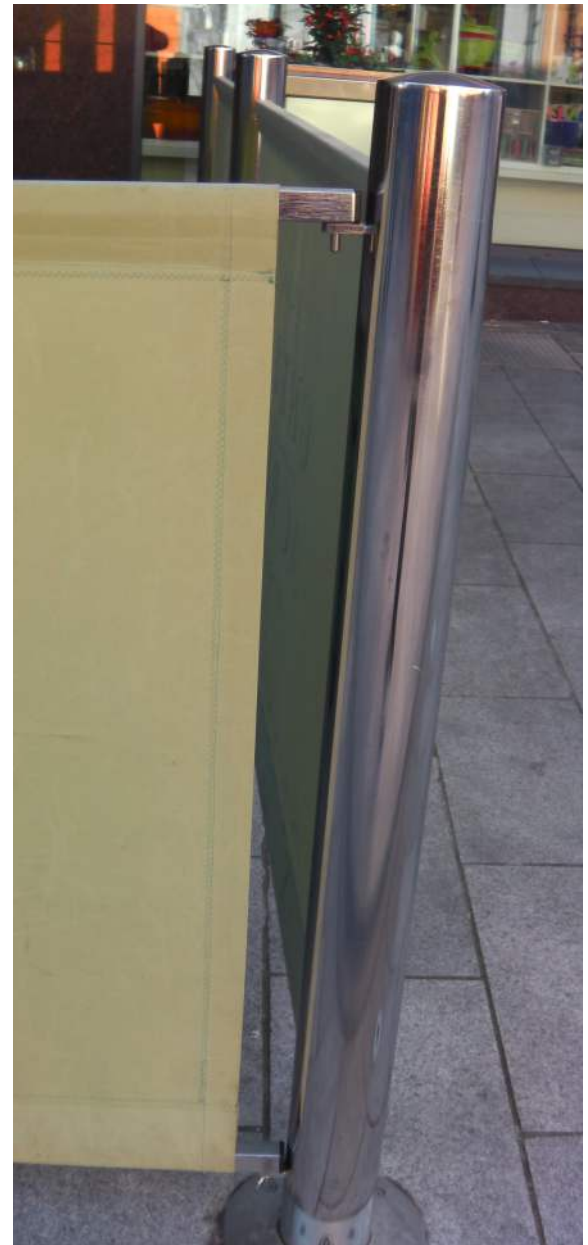
Slope Top Sign Support—Wexford

STAINLESS STEEL FINISHES

Cold Rolled Electropolished



Windbreakers—Wexford, Ireland



STAINLESS STEEL FINISHES

Cold Rolled Electropolished



STAINLESS STEEL FINISHES

Cold Rolled Electropolished



Dome Top Bollards—Aldi Wexford, Ireland



Coastal Balustrade, Arklow, Ireland

STAINLESS STEEL FINISHES

Cold Rolled Electropolished



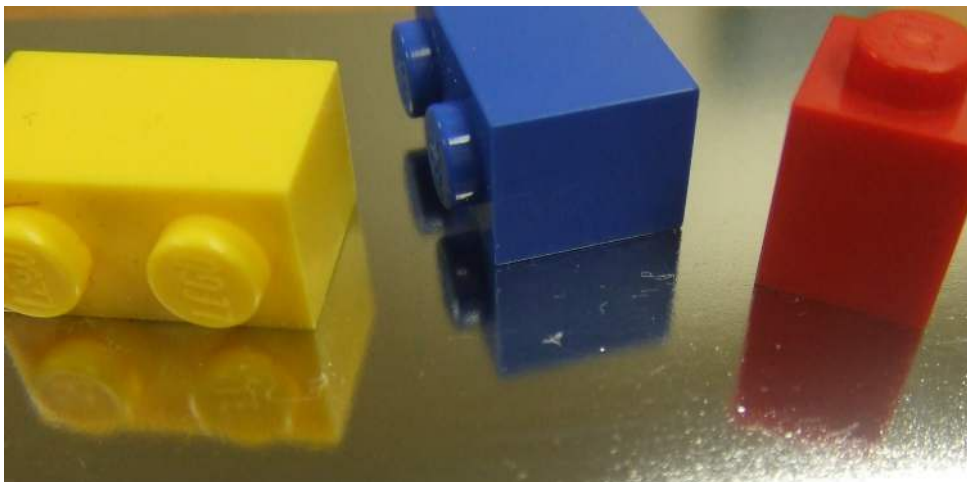
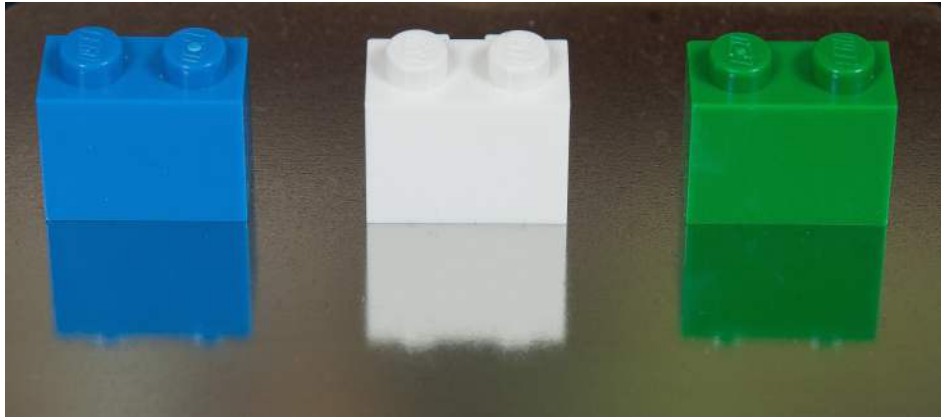
Filter Basket for Floor Drain



Cleanroom Cabinets

STAINLESS STEEL FINISHES

Cold Rolled Electropolished



High Shine/High Reflection Finish—Hazy Mirror Finish

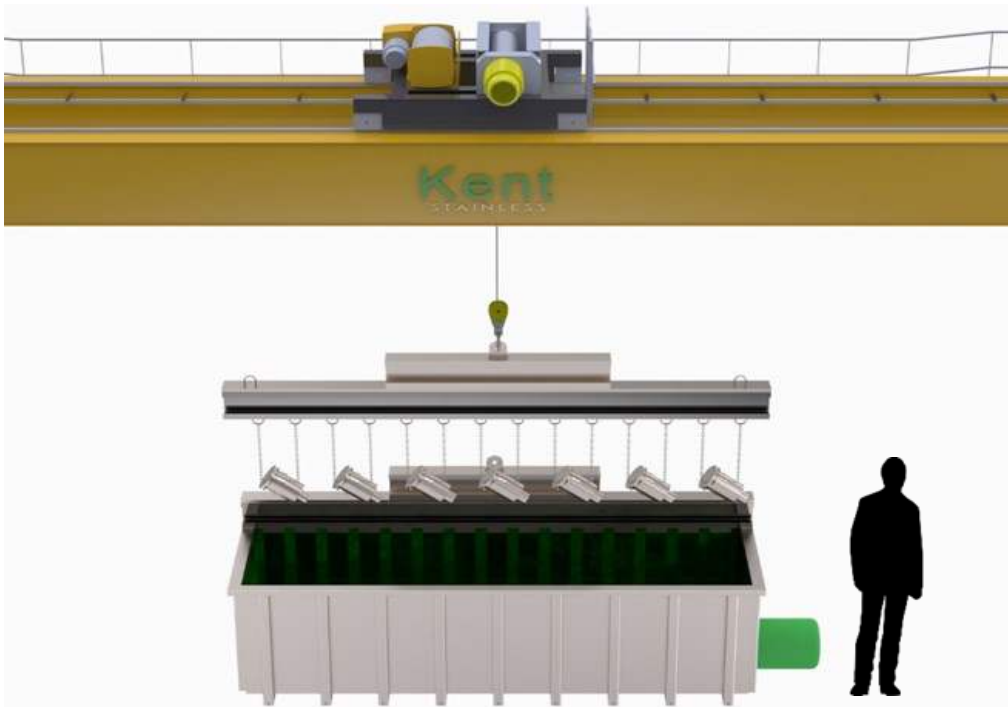


STAINLESS STEEL FINISHES

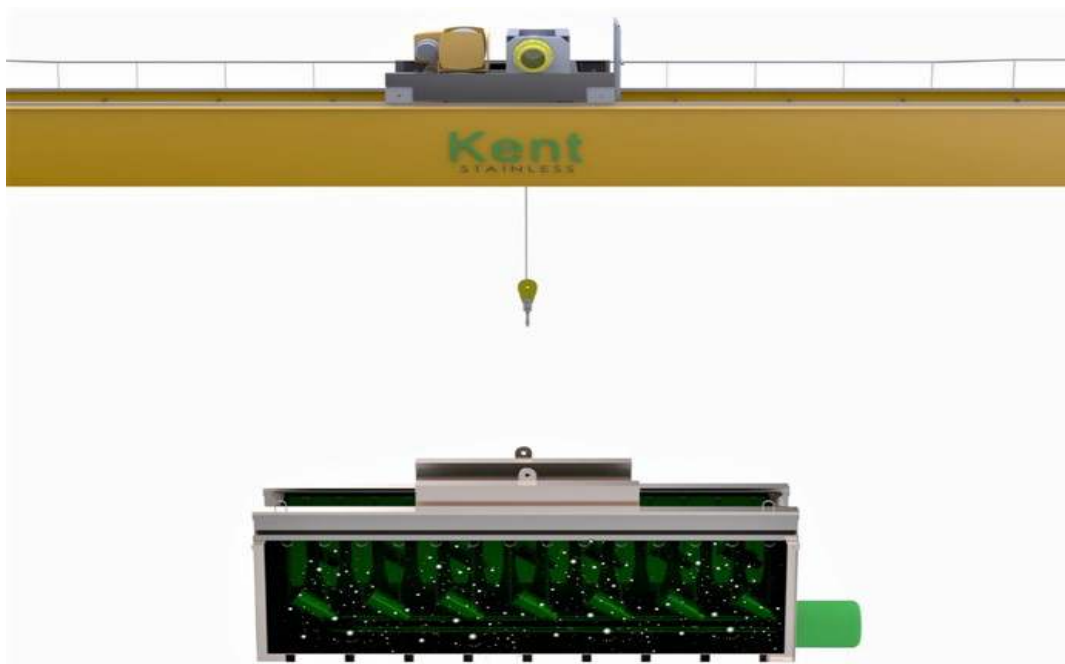
Cold Rolled Electropolished



This finish is created by submersion after fabrication. The tank is 7000mm or 275" long. The end result varies by the duration of submersion and from the original finish of the product prior to electropolishing



7 Floor Drains being submerged for electropolishing



Stainless Steel Maintenance.

Although corrosion resistant, Stainless Steel needs to be well looked after to have a long service life. Salt, Iron and Grit are the biggest contributors of rusting on stainless steel products.

Clean the stainless-steel components using warm water with a mild detergent with a non-abrasive cloth or sponge. Heavier stains may require the use of a nylon scouring pad or a stainless-steel cleaner.

To remove paint or graffiti (or light concrete splashes) use a cloth and alkaline or solvent paint strippers according to type of paint. For Satin Finish Stainless try to follow the direction of the grain when cleaning vigorously or polishing. For Bead Blasted Finish use a circular motion. Rust spots or 'tea stains' can occur on the surface of the material, these are normally caused by contamination from ordinary mild steel, particularly in areas where construction work has been undertaken.

Where contamination of the stainless has occurred from ordinary mild steel coming into contact with the stainless, use Rust Remover 410. In cases where the surface is severely stained as a result of severe environmental conditions or scratched due to misuse, it may still be possible to restore the original finish using chemicals such as Oxalic Acid solution.

At specification/design stage we always recommend a polish that uses electropolishing – eg Cold Rolled Electropolished or Bright Satin. These polishes combined with using grade 316L stainless will give your stainless project the best chance of an enduring pristine finish. Cleaning as described above once or twice per annum is sufficient in almost all locations. Proximity to salt water or a dry environment where rainwater cannot reach some stainless parts may need more frequent cleaning.



Carlow Tree Sculpture—Carlow

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