

MAINTENANCE - STAINLESS STEEL

ELECTRO-POLISHING

Cox Urban Furniture specifies the extra process of electro-polishing for all fabricated stainless steel components.

Mechanical polishing of stainless steel produces a surface that is not necessarily clean or smooth and the process is liable to introduce surface contamination. This is detrimental to stainless steel where the corrosion resistance of the metal is dependant upon the purity of the surface, allowing the formation of an uninterrupted passive layer.

Final stage electro-polishing removes any contaminants and micro-smoothes the surface, producing an excellent passive chromium-rich surface, thereby enhancing corrosion resistance and reducing dirt adhesion for easier cleaning and maintenance.

CLEANING PROCEDURE

Stainless steel requires a regular cleaning program to protect the chromium oxide layer. Regular washing removes contaminants such as salt, dirt and dust that can cause corrosion, and is necessary to avoid 'tea staining'.

The aim of the cleaning operation should be to remove grime deposits without damaging the stainless steel. The frequency of cleaning will vary from monthly to six monthly according to the environment that the surface is exposed to, and the cleaning method adopted will depend on the current condition of the surface and the time that has elapsed since it was last cleaned.

Regular cleaning should be carried out by washing down the stainless steel with warm water containing a suitable wetting agent or mild soap solution. Hand rubbing with a soft clean cloth is recommended, however a soft natural bristle brush may be used to remove stubborn stains.

NEVER USE SCOURING PADS, EMERY PAPER, SAND PAPER, STEEL WOOL OR OTHER HIGHLY ABRASIVE MATERIALS as this may scratch the surface.

Greasy deposits can be removed using a soft cloth dipped in white spirits.

All surfaces and crevices should be thoroughly rinsed with water after cleaning to ensure the removal of all residues.

