

DEFINITION

Explanatory note regarding the different finishes, maintenance and cleaning of stainless surfaces.

Stainless steel finishes can be:

Bright: Also referred to as high polish.

Satin: Also known as rough polish or matt, although matt is another type of finish.

Matt: Gradually becoming obsolete, in minority use.

Note: Mediclinics works with bright and satin finishes. To find out more about the satin finish's type of grain, please contact Mediclinics' technical department.

CHARACTERISTICS

Mediclinics stainless steel is of the AISI 304 type, also known as 18-8 (referring to its chrome and nickel content). Under ISO norm Type-11.

In general, the thickness used by Mediclinics is 0.8 mm, although in some cases it can reach 1.5 mm.

This type of steel is non-ferrous. You can test this by placing it close to a magnet, and you will see how it does not stick. Ferrous steels, which are therefore likely to rust, on the other hand would stick.

This type of stainless steel is highly resistant to atmospheric rust, neutral humid environments, alkaline corrosion, acid (non-chlorinated) environments, and offers good resistance to corrosion at temperatures of up to 900°C.

If equivalence with the norms of another country are required, please contact the Mediclinics' technical department.

CLEANING SPECIFICATIONS

Regular cleaning

Cleaning Product:

Gentle Domestic Liquid Soap.

Water.

Method of Cleaning:

Use a duster, a washing cloth or soft sponge, dipped in soapy water.

Dry the treated surface.

If the product is subjected to hostile environments, such as salt (near the sea), intense humidity, chlorinated (swimming pools), hard water, etc. a further treatment in addition to regular cleaning is recommended involving the application of a household product containing silicon.



Medium resistance stains**Fingerprints****Cleaning product:**

Same as above.

Specific household products for stainless steel, such as "Tarni Shield Inox" manufactured by 3M.

Cleaning method:

Proceed in the same way as with regular cleaning. If using specific household products, follow the manufacturer's instructions, ensuring that the product is in liquid or cream form. If using sprays, apply the product onto the cloth, not directly onto the surface to be treated.

High resistance stains**Decolouration due to atmospheric agents****Cleaning product:**

If the processes above do not provide satisfactory results, use, with care, household products for cleaning chrome, degreaser or dissolving products. Never products specifically designed for tin or copper, since they can affect the colour of the steel. The product "Tarni Shield Inox" recommended above can be useful in these cases.

Cleaning method:

Proceed in the same way as with regular cleaning. In the case of using specific household products, follow the manufacturer's instructions, ensuring that the products are in liquid or cream form. Before treating the entire affected surface, carry out a test on a small area.

Mineral stains**Limescale or hard water****Cleaning product:**

Dilute 5% of white vinegar in water.

Specific household products for treating limescale, with a silicon protector base (containing acetic or phosphoric acid).

Cleaning method:

Proceed in the same way as with regular cleaning. In the event of using specific household products, follow the manufacturer's instructions. Before treating the entire affected surface, carry out a test on a small area.



Rust stains

Caused by inadequate cleaning

Inadequate cleaning:

Cleaning steel with hydrochloric acid or chlorinated bleaches will cause rust to appear. As well as the use of products with a hydrochloric acid base. Check the components of the cleaning products used, since there are very aggressive products on the market.

Cleaning product:

Any of those mentioned above, excluding those indicated for high resistance stains. You can use "Scotch Brite special non-scratch for vitro-ceramics by 3M".

Cleaning method:

Polish gently and carefully using the 3M Scotch Brite in the direction of the grain or lines.

- Informative video: <https://youtu.be/yZQCSV5qhlw>

NOTE: This method only applies to satin finishes (rough polish), never to bright finishes (high polish).

GENERAL INSTRUCTIONS

- Before applying any treatment, totally remove the plastic protection from the stainless steel.
- The printed markings come off easily when the processes described above are applied. Therefore, where possible prevent application on top of the logos or other printed markings. As a general rule, use only a gentle cloth dipped in soapy water.
- Always dry the treated surface using a gentle cloth.
- Applying certain cleaning treatments can change the tone of a piece's finish therefore it may be necessary to treat the entire piece.
- Do not use rough cloths, paper cloths or scouring pads.
- Do not use products containing petrol or hydrochloric acids. Pay special attention to the components of cleaning products, especially those specifically for cleaning bathrooms.
- In exceptional cases, polish very specific areas and with extreme care. Subsequently, apply a soft cloth dipped in soapy water and dry.