

Coated or painted steel products

Maintenance instructions

For proper disinfection/sterilization of coated or painted steel products, it is important to follow the instructions and procedures below:

- Choose appropriate and properly diluted solutions and substances: Avoid chemical solutions that are too concentrated, unknown, too aggressive or acidic, which could react with the underlying coating or metal and cause permanent damage.
- Liquids or solvents such as acetone, chlorine or bleach: these solutions must not be used as they may contaminate, bleach or damage the coating.
- The most commonly used solution is isopropyl alcohol (containing 60-70% alcohol), at this concentration it is a very effective antibacterial disinfectant.
- Proper dilution: if concentrated IPA alcohol is used (e.g. 91% or 99%), it must be diluted with distilled water to reach a concentration of 70%.
- Gentle cleaning: Use a soft, clean, non-abrasive cloth to apply the solution to the surface of the products. Avoid hard or rough materials, abrasive brushes or sponges that could scratch the coating.
- Pre-test: it is recommended to perform a test on a small hidden area of the product.
- Easy application: simply apply a small amount of the cleaning solution to the surface without wetting it too much.
- Avoid soaking or prolonged immersion: Avoid prolonged soaking of products in cleaning agents or solutions as this may damage the coating.
- Dry quickly: Allow the products to air dry after applying isopropyl alcohol or a suitable solution. Do not use tools or cloths that may absorb too much liquid and leave a residue.
- Rinse with water: If you think that the solution used may remain on the surface of the products or on the fingers of your hands, it is advisable to rinse them well with clean distilled water to remove chemical residues.
- Another valid method used by professionals to sterilize coated or painted steel products is the autoclave, which uses steam at high pressure and temperature to eliminate microorganisms.
- Before reusing a coated or painted steel product, always be sure to wash your hands, especially after using cleaning solutions.