

Stainless Steel Treatment

Discover our PS4 product range.



Metal Surface Treatment

At Barcelonesa, we have over 20 years of experience in chemical and speciality products to treat metallic surfaces. We know that achieving the best results requires high-quality products backed by expert technical support.

Our extensive technical expertise allows us to advise you on the best processes and most suitable products for **Stainless Steel Treatment**. We work with chemical products for every stage of the process, from degreasing to passivation.

That's why we manufacture our own chemical solutions, tailoring them to the specific requirements of each application.



Global Partner

We offer a comprehensive catalogue of speciality and commodity chemicals for every stage of the process.



Technical Support

Our highly skilled team works alongside you to deliver customised solutions.



In-house Production & Laboratory

Our facilities include our own factory and laboratory, ensuring consistently high quality.



Analytical Control

We collect samples, analyse them and send a detailed report. The results are available on our customer platform, easyB.

Chemical Solutions for Stainless Steel Treatment

Our PS4 product range for stainless steel treatment covers the following processes:

→ DEGREASING AND CLEANING.

During manufacturing, surfaces are often contaminated with oils, polishing compounds or general grime, such as dust and salt deposits. So, thorough surface cleaning is essential.

→ PICKLING, DECONTAMINATION AND DECOLOURING.

Removes particles of iron or other metals embedded during metalworking, as well as removing discolouration from welding.

→ ELECTROPOLISHING.

An electrolytic process that polishes the surface of the stainless steel. This treatment enhances or restores many key properties: shine, cleanliness, corrosion resistance, smoothness, etc. It is perfect for complex parts that are difficult to polish mechanically.

→ PASSIVATION.

Regenerates the metal's self-protective passive layer, restoring all the corrosion resistance and durability of stainless steel.

Our Product Range

All our products comply with ASTM A380, A967, AMS 2700C, AMS QQ-P-35 and UNE EN ISO 2516 standards.

Process	Product Name	Description
DEGREASING	BD Clean PS4/A	Acid-based product for degreasing and cleaning. Formulated to clean without damaging the surface – perfect for pre-polished areas.
	BD Clean PS4/B	Specially designed product for cleaning and maintaining stainless steel equipment (e.g. evaporators, cooling circuits, reactors).
PICKLING	BD Decap PS4/B	Concentrated stainless steel pickling fluid, in compliance with ASTM A380.
	BD Decap PS4/G	Stainless steel pickling gel, suitable for spray application.
	BD Decap PS4/P	Paste for manual brush application, specially designed for weld areas.
ELECTROPOLISHING	BD Electrodal PS4	Electrolytic brightening product for stainless steel.
PASSIVATION	BD Fin PS4/A	Special product for stainless steel passivation by immersion or spray.



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