

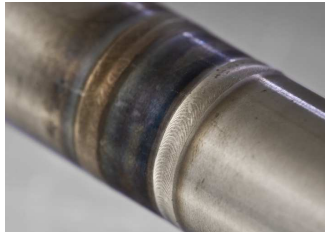
CHEMICAL PICKLING

Why chemical pickling?

The corrosion resistance of stainless steel rests on the formation of a very thin chromium oxide rich passive layer which only develops on metallic clean stainless steel surfaces.

Scale layers, welding colours and tarnish, ferritic impurities (e.g. abrasion), mechanical treatments (e.g. grinding, blasting etc.) inhibit the formation of a closed passive layer.

Only fully controlled pickled stainless steel surfaces and weld seams therefore guarantee full corrosion resistance of the material and in addition offer a decorative metallic appearance.



*Tubesystem welded material 1.4435
Untreated and after chemical pickling*

Technical procedure

Depending on the requirements and the size of the workpiece the components to be pickled are immersed into pickling baths or the pickling medium is sprayed on the metal surface and rinsed off with conditioned (demineralized) water and passivated.

Chemicals

The pickling chemicals consist of acid mixtures effecting chemical removal on the top material layers in a range of 1-3 µm.

Our services

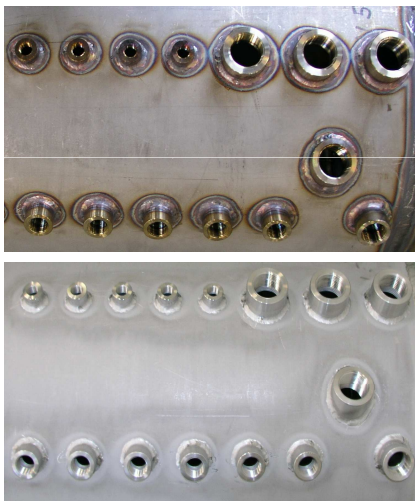
- Treatment of components of all sizes (Pickling baths up to 60.000 ltr.)
- Materials 1.4301, 1.4571, 1.4404, 1.4435, 1.4539, Hastelloy®, etc.
- Treatment documentation
- On-site pickling operations (also circulation flushing)
- Development and supply of chemicals for pickling and passivation
- Supply of pickling lines and spray pickling equipment

More informationen is available in
www.henkel-epol.com

Please contact us
info@henkel-epol.com.



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*Vessel material 1.4435
above : untreated / below : chemically pickled
and passivated, process HC700*

How is it done ?

Chemical pickling processes

- Immersion pickling
- Spray pickling
- Circular pickling
- Local weld seam pickling



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*The component's
value is assured
by its surface*

