Pickling Gel 122

An all-round pickling paste in gel form.

Avesta Pickling Gel 122 is more free-flowing than a standard pickling paste to facilitate the application and to give a high coverage. It can be used to clean with a good result on standard stainless steel grades.

Standard applications

The pickling gel restores stainless steel surfaces that have been damaged during fabrication operations such as welding, forming, cutting and blasting. It removes weld oxides, the underlying chromium-depleted layer and other defects that may cause local corrosion.

This gel is universal and specifically intended for standard brush pickling of weld seams and smaller surfaces of standard stainless steel grades. For difficult pickling operations such as high alloyed steel grades and low temperatures, we suggest the Avesta RedOne Pickling Paste 140 as an alternative.

Features

- Improved pickling result, offers a brighter surface with less dis-coloration than classic products.
- The transparent gel consistency gives good adhesion to the stainless steel surface.
- High heat stability , can be used and stored in warmer climates (the gel is heat-stable up to +45 °C).

2,4 kg drums

13 kg drums

Photos: Available in several packages
(Sizes may differ from markets)

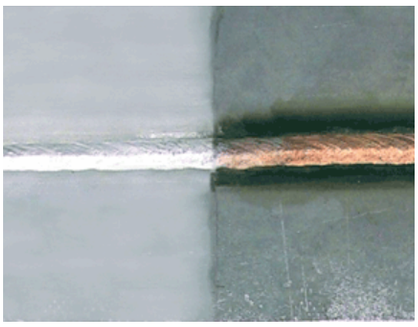
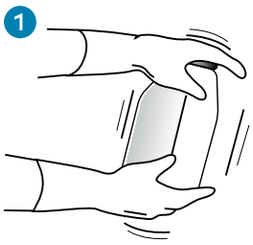


Photo: Bright pickling result

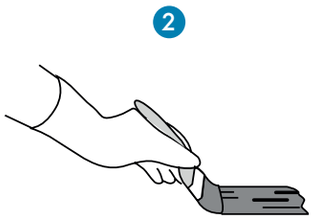
Photo: Site pickling with Gel 122 ,easy to apply thanks to its free flowing consistency

Instructions for use



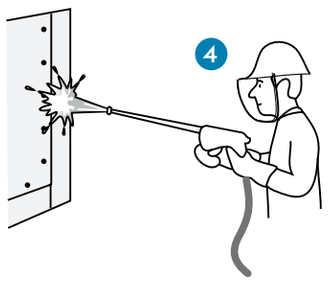
1. Pre-clean,remove oil and grease using Avesta Cleaner 401 , and then rinse off with water.

Stir or shake the paste before usage.



2. Apply the paste with an acid resistant brush.

3. Typical reaction time for standard alloyed steel grades like 304 (1.4301) is 60 min. at 20°C and 40 min. at 35°C. The pickling time may vary for the same steel grade depending on surface finish and welding method.



4. Rinse off the pickling residuals by using a high-pressure water jet. Use deionized water for the final rinsing of sensitive surfaces. The waste water should be neutralized before discharge.

Packaging

Avesta Pickling Gel is supplied in 2,4 kg and 13 kg polyethylene bottles. Availability of different packages sizes may differ between markets.

All packing material follows the UN regulations for hazardous goods.

Storage

Avesta Pickling Gel 122 should be stored indoors at room temperature. Containers must be kept properly closed, in an upright position and inaccessible to unauthorized persons.

The product is perishable and should not be kept in storage longer than necessary. The gel may decompose during storage and hence need to be stirred before usage. It has a maximum shelf life of two years when stored at room temperature. Exposure to higher temperatures (>45 °C) may damage the product and reduce the shelf life.

Worker safety

Avesta First Aid Spray 910 (available only on some markets) or Hexafluorine should be readily available to all who work with pickling to use as a first rinse to decontaminate small acid splashes of pickling paste, followed by Calcium Gluconate Gel or Solution to be used as a first aid to treat the HF acid burn.

Protective clothing. In general, users should wear acid resistant overalls, gloves and rubber boots. Face visor should be used and, if necessary, suitable respiratory protective devices.

Special conditions may apply from one country to another. Consult our website where updated Safety Data Sheets can be found.

Pre-cleaning

To further improve the result we recommend to remove present oil and grease before pickling using Avesta Cleaner 401.

Passivation

To further improve the result we recommend a passivation after pickling using Avesta FinishOne Passivator 630 , which is a safer-to-use acid free passivation method

Waste treatment

The wastewater produced when pickling contains acids and should be treated with Avesta Neutraliser 502 or with slaked lime to a pH-value of 7-10 before discharge. Heavy metals from stainless steel are precipitated as a sludge, and should be sent for deposition according to local regulations.

Empty containers (HDPE) must be cleaned and can then be recycled according to local regulations.

Other information

For more information, please visit our website:

www.voestalpine.com/welding, where you can find Safety Data Sheets and other useful information.

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