

## Lasting Connections

# RedOne™ Pickling Paste 140

A powerful, low-fuming, safer-to-use pickling paste!

Many of the processes used for pickling stainless steel lead to the development of hazardous nitric fumes. To improve safety when pickling, we have developed a unique patented low-fuming pickling paste which reduces toxic nitric fumes by 50 %.

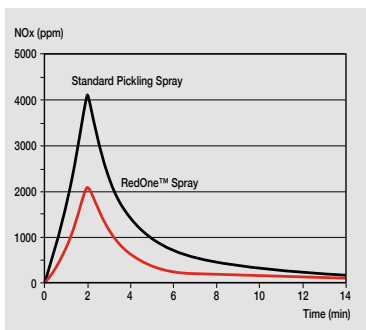
### Standard applications

Avesta RedOne™ Pickling Paste 140 is intended for powerful brush pickling of welds and smaller surfaces of high-alloy steel grades in tough applications.

For non-heavy-duty applications we suggest our low fuming Avesta BlueOne™ Pickling Paste 130 in order to improve the environmental impact and safety when pickling.

### Features

- Restores damaged stainless steel surfaces such as weld seams, by removing weld oxides, the underlying chromium-depleted layer and other defects that may cause local corrosion.
- Unique and patented.
- Higher yield, decreased consumption, thanks to the visible red colour and its free-flowing consistency which facilitates application. The paste is easy to apply and highly visible.



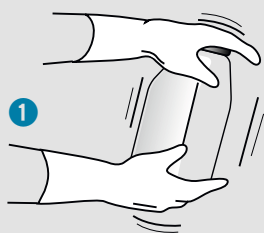
50% fume reduction compared to standard Pickling Paste.



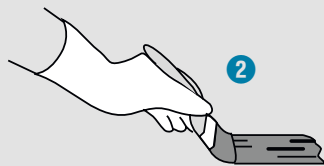
Avesta RedOne™ Pickling Paste 140 is unique and patented.



## Instructions for use



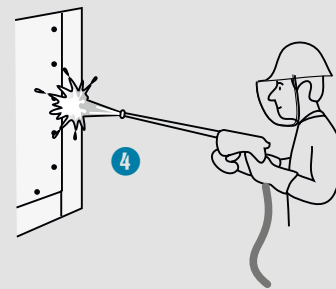
1. Stir or shake the paste before use.



2. Apply the paste with an acid-resistant brush.



3. Typical pickling time for Steel grade 2205 is 60 - 180 min. The pickling time may vary for the same steel grade, depending on the temperature, surface finish and the welding method.



4. Remove pickling residues using a high-pressure water jet, or with a stainless steel brush and then rinse with water. The waste water should be treated before discharge.

## Packaging

**Avesta RedOne™ Pickling Paste 140** is supplied in a 2.4 kg polyethylene container supplied in a 4-pack cardboard box, and a 12 kg polyethylene container.

All packing material follows the UN regulations for hazardous goods.

## Storage

**Avesta RedOne™ Pickling Paste 140** 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. It has a maximum shelf life of two years when stored at room temperature. Exposure to higher temperatures (> 35 °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.

## Waste treatment



The waste water 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.avestafinishing.com](http://www.avestafinishing.com), where you can find Safety Data Sheets and other useful information.



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