

# Avesta BlueOne™ Pickling Paste 130

## Superior performance, cleaner work environment



## Results that last

The cleaner and smoother a steel surface, the higher its corrosion resistance. Without scratching, pickling removes areas of inferior corrosion protection. This is not the case with mechanical surface treatments such as grinding, brushing and blasting. Pickling paste even penetrates areas (e.g. cracks in joints) that are left untouched by other methods.

### Higher corrosion resistance, lower environmental impact

- Prevents corrosion by restoring damaged areas. Examples include welds (pickling removes welding oxides) and areas with depleted chromium content and/or other defects.
- Gives shinier surfaces and less discolouration (smut) than classical pickling products.
- Superior results and reduced consumption – the paste is easy to apply and highly visible.
- Nitrous fumes have been cut by 70 percent. As regards minimising emissions and reducing negative impact on the environment, the paste thus satisfies the EU's BAT (best available techniques) directive.

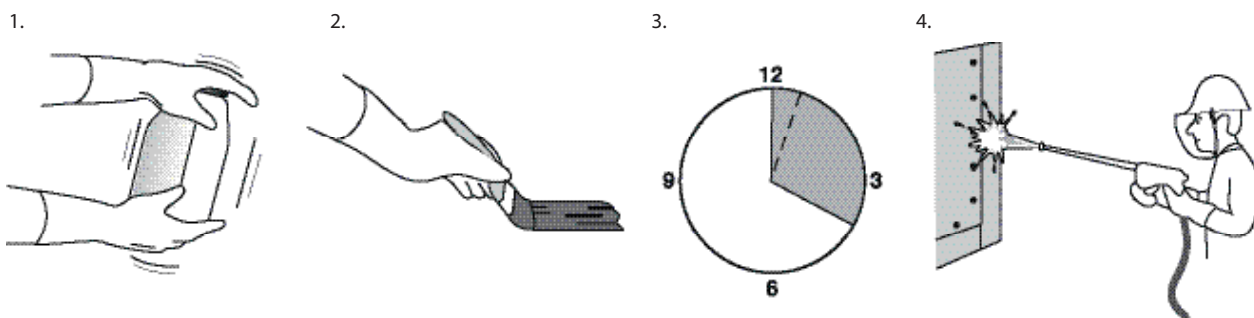
### Uses

- Common steel grades such as EN 1.4301/ASTM 304 and EN 1.4436/ASTM 316.
- Cold-rolled plate.
- Pickling in the 10 – 30 °C temperature range.
- Avesta Cleaner 401 can advantageously be used before pickling.
- Avesta RedOne™ Pickling Paste 140 is recommended for more demanding applications.



**Avesta**  
Finishing Chemicals

## Instructions for use



1. Before using, stir or shake the paste.
2. Apply the paste with an acid-resistant brush.
3. Typical pickling times for steel grade 304/316 are: 90 minutes at 10°C; 45 minutes at 20°C; and, 20 minutes at 30°C. These times were obtained with cold-rolled stainless steels (2D finish) that were welded using covered electrodes. Pickling was carried out after mechanical pretreatment of the welds

and precleaning using Avesta Cleaner 401. The times must be seen as indicative only. Differences in surface finishes, welding methods, etc. can all have an impact on pickling time.

4. Use a high-pressure water jet or a stainless steel brush to remove pickling residues. Rinse with water. The waste water should be treated before discharge.

## Neutralisation and disposal

The waste water from pickling contains acids. Before discharge, it should be treated with Avesta Neutralising Agent 502 or with slaked lime (pH value 7 – 10).

The neutralising agent precipitates heavy metals from the waste water and forms a sludge. This should be sent for disposal in accordance with local regulations.

## Packaging

Avesta BlueOne™ Pickling Paste 130 is supplied in 2.4 kg and 19 kg polyethylene containers. These are UN approved for hazardous goods.

## Other information

Material safety data sheets and other useful information can be found at our website, [www.avestafinishing.com](http://www.avestafinishing.com).

## Storage

Avesta BlueOne™ Pickling Paste 130 should be stored indoors at room temperature. Containers must be kept properly closed in an upright position. They must also be kept out of the reach of unauthorised persons.

The product is perishable and should not be stored any longer than necessary. Stored at room temperature, the paste has a maximum shelf life of two years. Exposure to higher temperatures may reduce shelf life.

## Worker safety

Anyone using the paste should wear acid-resistant overalls, gloves and rubber boots. Goggles or a face visor are advisable. Suitable respiratory protective devices (chloride type filter) must be used whenever necessary.

Avesta Finishing Chemicals  
Lodgatan 14  
SE-211 24 Malmö, Sweden  
Tel: +46 (0) 226 821 00  
Fax: +46 (0) 40 93 94 24  
[www.avestafinishing.com](http://www.avestafinishing.com)



**Avesta**  
Finishing Chemicals