Zerust® Axxaclean™ 2048 Brush-On is a fast acting, economical, and environmentally safe rust and tarnish remover. It completely removes light to medium rust and tarnish in minutes. Zerust® Axxaclean™ 2048 can be used for all ferrous metals, brass, copper and various alloys. Cleaned parts are free of grayblack carbon residue. Heavily rusted parts damaged from the rust process may have surface roughness, but scale and rust will be gone.

Zerust® Axxaclean™ 2048 Brush-On can be applied on large surfaces using regular clean paint brushes or rollers or clean cloth rags. Once applied and left in contact, the rust or tarnish is dissolved, usually in minutes. Completing the full removal process is as simple as rinsing with water to remove the dissolved rust and tarnish, then drying the surface completely, including small crevices and gaps. The cleaned and dried surfaces can be machined, welded or painted without further post-treatment. Resulting weld and paint quality are much better than with the original untreated surfaces.

Zerust® Axxaclean™ 2048 has temporary rust-preventative chemistry built-in for immediate protection from flash-rust for up to 2 weeks of sheltered storage. For corrosion protection longer than 2 weeks or unsheltered parts, use Zerust® packaging films or Zerust® corrosion preventative coatings such as Z-Maxx™, Axxanol™ and Axxatec products.

**Advantages**

- Can be applied on vertical surfaces and under structures
- Quickly removes rust and tarnish
- Built-in rust inhibition
- No VOC’s, CFC’s, no silicones, or heavy metals
- Non-toxic and biodegradable
- Safe for all types of metals
- Compatible with rubbers and elastomers
- Compatible with painted surfaces
- Cleaned surface can be painted or welded
- Does not leave stain or grey or black carbon residues
- Easily removed

**Application Example**

The thick viscosity of AxxaClean 2048 Brush-On product is easy to apply and clings to vertical surfaces, making rust removal quicker and with less mess.
### Technical Information

#### Comparison of Zerust® AxxaClean™ Rust Remover Series

<table>
<thead>
<tr>
<th>Attributes</th>
<th>AxxaClean ICT® 620-RR</th>
<th>AxxaClean 2048</th>
<th>AxxaClean 3048</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corrosion Removal Power</td>
<td>Light to medium rust, even in cracks and crevices</td>
<td>Medium corrosion, even in cracks and crevices</td>
<td>Heavy corrosion, even in cracks and crevices</td>
</tr>
<tr>
<td>Speed</td>
<td>Slow</td>
<td>Moderate</td>
<td>Rapid</td>
</tr>
<tr>
<td>Metals Treated</td>
<td>Ferrous</td>
<td>Ferrous, brass, copper</td>
<td>Ferrous, brass, copper</td>
</tr>
<tr>
<td>Application Methods</td>
<td>Immersion</td>
<td>Immersion, Brush-on, Spray</td>
<td>Immersion, Brush-on</td>
</tr>
<tr>
<td>pH Level</td>
<td>Neutral pH of about 7</td>
<td>Mild acidic pH of about 2.5</td>
<td>Stronger acidic pH between 0.5-1.5</td>
</tr>
<tr>
<td>Temperature For Use</td>
<td>70°F (21°C) or above</td>
<td>70°F (21°C) or above</td>
<td>40°F (4°C) or above</td>
</tr>
<tr>
<td>Compatibility (&lt;24 hour soak)</td>
<td>Safe for metals*, paint, gaskets, rubber, plastics</td>
<td>Safe for metals*, paint, gaskets, rubber, plastics</td>
<td>May attack soft metals*, some paints and coatings</td>
</tr>
<tr>
<td>Post-Cleaning Action</td>
<td>Do not let product dry on surface. Water rinse, dry and wipe any carbon residue.</td>
<td>Do not let product dry on surface. Recommended DI or RO water rinse. Wipe off and dry well.</td>
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</tr>
<tr>
<td>Corrosion Protection</td>
<td>Additional corrosion protection needed</td>
<td>Provides flash-corrosion protection in controlled environments</td>
<td>Provides flash-corrosion protection in controlled environments</td>
</tr>
<tr>
<td>Shelf Life and Handling</td>
<td>3 years when stored out of sunlight and in original packaging.</td>
<td>2 years when stored out of sunlight and in original packaging.</td>
<td>2 years when stored out of sunlight and in original packaging.</td>
</tr>
</tbody>
</table>

*Test before use on zinc and cadmium. Check with your Zerust technical representative for details.

#### Availability

- **Spray-On Version:**
  - 470mL
  - 3.8L
  - 19L
  - 209L

- **Spray-On & Polish Kit:**
  - 470mL
  - Polishing Sponge: (2/pk)

- **Immersion Version:**
  - 470mL
  - 3.8L
  - 19L
  - 209L

#### Zerust AxxaClean™ 2048 (Brush-on Version)

Removes all rust - even in cracks and crevices. Metal is clean with up to 2 weeks rust protection.

#### Additional Info

Go online to [www.zerust.co.uk](http://www.zerust.co.uk) for product comparisons, application guides, videos and more.

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*ZERUST® and the colour yellow with respect to corrosion inhibiting packaging products are registered trademarks of NTIC.*