

Galvanised Products Maintenance Instructions



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1. Galvanised Products Information

Although galvanised coatings are resistant to corrosion and oxidation, the rate of these processes can vary widely depending on environmental factors such as humidity, temperature, precipitation, salt, and pollutants (e.g., oil, wastewater, petrol, diesel, smoke, natural gas).

For example:

- The corrosive degree of the area.
- Products being in contact with different metal products.
- More than one container is in contact.
- Products constantly remaining damp or wet (especially contamination of roof rain drains, eliminating situations that prevent water discharge, etc.).
- Long-term contact with substances that may undergo electro-chemical reactions (e.g. leaves, grass, etc.).
- Long-term contact with pollutants (oil, wastewater, petrol, diesel, smoke, natural gas, cement, etc.).
- pH rate of the environment (Outside the range of pH 6-12 the galvanised coating can suffer greater corrosion than normal.).
- Long-term exposure to salty environment.
- Damages that may occur during installation or use (scratches, friction marks, impact).

As a result, galvanised products need periodic maintenance and repairs depending on the region where they are used. The main purpose of periodic maintenance is to increase the protection of the area before red rust is seen.

2. Cleaning a Galvanised Surface

Cleaning the products periodically slows down the oxidisation process and increases the lifespan of the product. This cleaning should be done in a way that does not damage the galvanised coating of the product.

It is recommended that cleaning should be done when there is no rain or high temperatures.

- All galvanised surfaces should be wiped using a slightly damp gentle cleaning material (e.g. soft sponge or soft bristle brush).
- Corrosive chemicals should not be used during cleaning.

- Surfaces should be rinsed with fresh water.
- After cleaning, the surfaces should be dried and no damp areas should be left.
- If damaged areas are detected, galvanising spray should be applied.

3. Recommended Care and Maintenance Schedule

Our recommendations for maintenance periods according to specific environments:

	Conditions	Corrosivity Zone	Example Environments	Recommended Minimum Cleaning
Exterior Environment	Mild	C2 Low	Low Arid, urban, inland, city	Every 1 months
		C3 Medium	Light industrial & coastal	Every 1 months
	Severe	C4 High	Sea shore (calm)	Every 15 days
		C5 Very High Industrial	Heavy industrial	Every 10 days
		C5 Very High Marine	Sea shore (surf)	Every 10 days
	Tropical	Tropical	High, humid and monsoonal	Every 10 days

4. Methods to Prevent White Rust

If the products are to be stored in the transportation stacks after reaching you, it is recommended to follow the following methods to prevent white rust.

It is important to store galvanised products carefully to slow the formation of white rust.

It is recommended to keep the products as follows:

- Free air flow should be allowed on the galvanised surface.
- Water must be drained and ponding must be prevented.
- Closed humid environments should be avoided.
- Surfaces should be rinsed with fresh water.

- Continuous contact with wet or moist materials (e.g. soil or grass) should be avoided.
- OSB should be prevented from getting wet or humid.

In cases that may occur during the use of the products, we recommend that you follow the procedure specified in article 2.

5. Welded or Spot-Welded Regions

Galvanised coating loses its protective properties in areas where welding is carried out and carries the risk of corrosion. Welded areas on the inside and outside of the product should be monitored and galvanising spray/touch up paint should be applied if necessary.

The colour tone of the galvanising spray/touch up paint may differ from the color tone of the product.

6. Assembly Components

Although the fasteners (bolts, screws, nuts, washers, etc.) used during installation are located inside the product and are not exposed to external elements, they can still be affected by moisture and temperature, leading to oxidation. Therefore, fasteners should be regularly inspected, and galvanising spray/touch up paint should be applied if necessary.

Please note that the colour tone of the galvanising spray/touch up paint may differ from that of the product.

7. Roof Rain Drain

Rain drains on the roof can become clogged due to environmental factors, such as leaves. This increases the risk of corrosion from potential water accumulation and may cause the product to absorb water. To prevent this, roof rain gutters should be cleaned regularly, and galvanising spray/touch up paint should be applied as needed.

Please note that the colour tone of the galvanising spray/touch up paint may differ from that of the product.