

# Corrosion Guide

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While aluminium frames are known for being strong, reliable and corrosion resistant, if not maintained regularly, the risk of corrosion can increase. This guide explains aluminium corrosion, offers guidance on how to best minimise the risk of corrosion, helps you to identify early signs of corrosion and suggestions for how to best treat corrosion.

## Why might aluminium corrode?

Curtin University was commissioned by the Australian Aluminium Council (AAC) in Canberra to independently research the reasons that aluminium products might corrode. The research shows that corrosion is not related to the type or quality of the aluminium product, but rather the environment in which it sits. Therefore, **corrosion is not covered under warranty**. The Curtin research validates earlier studies conducted by James Cook University in Queensland, Monash University in Victoria and the CSIRO in Canberra.

When aluminium frames are openly exposed a thin layer (aluminium oxide) forms on the surface acting like a protective layer. Crevices between the brickwork and the aluminium section can be hard for the protective aluminium oxide to reach increasing corrosion risk. Corrosion in window, door and security frames is caused when an accumulation of chloride salts forming in the crevices is combined with moisture. These spaces stay wet for longer, furthering the effects of corrosion the longer they are left alone. Airborne pollutants left sitting on the aluminium frame surface can also contribute to corrosion.

## How to reduce the chance of corrosion

Powder coated aluminium is extremely durable and weather resistant. However, like all fixtures around the home, some maintenance is required to preserve the original appearance of the product. Deposited grime absorbs moisture and holds it against the powder coated surface of your frames, damaging the coating. Keeping reticulation from reaching your aluminium frames will help to reduce chances of corrosion. If you have garden beds in front of windows, keep the soil and mulch well away from the frames and use drippers for irrigation to minimise water spraying onto the frames.

In addition, regular **preventative cleaning** of your aluminium frames provides the best chance of reducing the risk of corrosion. Preventative cleaning should be done:

- every 6 months for residential areas or;
- every 3 months in coastal areas or near a swimming pool.

Refer to the [Jason Windows Maintenance Guide](#) in the brochure section of our website under the Resources menu, for all cleaning and maintenance requirements.

## How to Check if You Have Corrosion:

Below are some photos that show the presence of corrosion.



**1. EARLY SIGNS OF CORROSION**



**2. MOISTURE RISING FROM BRICKWORK OR LIMESTONE CAN CAUSE CORROSION OVER TIME**



**3 THIS IS WHAT CAN HAPPEN IF THE FIRST SIGN OF CORROSION IS LEFT UNTREATED**

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## What to do if you already have corrosion

There are two options to treat existing Aluminium corrosion.

### 1. DIY Treatment:

You can treat the corrosion yourself by following the steps in the Jason Windows Corrosion Treatment Video available on [The Jason Windows YouTube Channel](#) or the [DIY Videos](#) under the [Resources Section](#) of our website. The chemicals required to complete this process can be purchased from our Spare Parts department in Welshpool or Bunbury. We recommend calling first to ensure the chemicals are in stock.



### 2. Corrosion Treatment Services:

If you do not have the time, want to avoid the hassle of doing the treatment yourself or just want a professional touch, the Jason Windows Service Team offer a comprehensive treatment service where all the steps outlined are performed by a trained technician. This service can be booked by calling our service team on [9351 3430](tel:93513430).

### 3. Untreatable Corrosion:

If corrosion is beyond repair it might be time to refresh your home with some new frames. This is a specialised service and not where our expertise lies. Jason Windows preferred partners are experts in the removal and replacement of windows and doors:

- **South of the River: WA Custom Glass**  
W: [wacustomglass.com.au](http://wacustomglass.com.au) P: 9418 6222
- **North of the River: West Coast Window Installations**  
W: [wcowi.com.au](http://wcowi.com.au) P: 6296 5836
- **South West Region: IKON Glass**  
W: [ikonsouthwest.com.au](http://ikonsouthwest.com.au) P: 9726 0900

To find out more about maintaining your aluminium frames and window and door handles, check out our [Maintenance Guide](#) here or visit our brochures under the [Resources Section](#) of our website.

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