



CUT EDGE CORROSION

Your guide to treating and repairing cut edge corrosion. Your solution to exterior metal roof and wall refurbishment.

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What is Cut Edge Corrosion?

Cut edge corrosion describes the breakdown of the cut edge on metal cladding sheeting which, when exposed to the elements, causes peel back and deterioration.

Due to more recent developments in technology and much improved coating systems, some leading manufacturers can offer a 25-year warranty. Despite these developments, cut edge corrosion still occurs over time.



CAUSES

Manufacture - When sheets are cut to size, this cut exposes a thin line of metal which isn't coated, thus not protected. The metal can also expand which causes the factory coating to lift, exposing the metal further. This can eventually lead to the whole coating delaminating which will make it very easy for the existing corrosion to eat through the metal completely.

Weathering - One of the main causes of cut edge corrosion is the ever-changing weather conditions. Harsh rain and freezing temperatures will create cracks, that are easily opened and damaged further by freezing expansion. The rain can also cause decay, and will cause the sheeting to corrode.

Location - Where your building is located can have a great impact on corrosion rates. Places that are closer to the sea and coast corrode much faster due to the sea air. The particles in the air effect the building, and allow cut edge corrosion damage to happen a lot faster than usual.

Aging- It is inevitable that overtime and due to aging, things start to deteriorate. Aging metal sheeting will fade and start to peel, it can corrode and rot, and become unstable.

Coatings - Using the incorrect coating, can leave your cladding and roofing vulnerable to corrosion and other problems. Sometimes, using a budget style system does not stop corrosion from occurring, it can often make the corrosion process faster.



Our experienced and professional team are applicators of specialist systems. We offer a minimum of a 10 year guarantee on our work.

WHY TREAT IT?

If cut edge corrosion is left untreated, it can eat into the metal cladding which will lead to weaknesses in the structure where water can enter the building. Once this starts, the condition of the cladding will deteriorate rapidly which will affect the value of the building and increase maintenance and repair costs dramatically. When the building begins to fail, the sheets become irreparable and the only option is replacement which is more costly and more disruptive.

HOW WE TREAT IT

Cladding Coatings use the best systems available and are highly experienced in treating and repairing damage caused by corrosion. After a free site inspection, we choose the most suitable solution. This would normally involve preparing and cleaning the area thoroughly, application of a specialist treatment, applying a top coat and in larger areas a full respray of the area may be required. This restores the roof or cladding area back to its original state and is backed by our guarantee.

New cladding sheets often come with a guarantee but even these sheets will start to deteriorate over time.

Not new forever

First the paintwork fades in colours and then shows signs of chalking



Refurbishment saves money

This is the time to refurbish before any damage to sheets occurs.



Replacement is the only option

If left the paint will crack and metal sheets will start to corrode. Once the sheets fail this needs a replacement.

Our Systems

Cladding Coatings only use the best systems available. We are approved applicators of a number of leading coatings and have over a decade of experience in application.

Sharmans' Seamsil comes with a 15-year system guarantee and is engineered for the roofing environment using inorganic Alkoxy technology to prevent chalking and deterioration.

This silicone-based remedial treatment completely encapsulates the damaged lap joint area preventing further water ingress and as a result, provides maximum protection against future reverse side corrosion.

Seamsil has exceptional adhesion to cleaned and prepared surfaces and cures to provide a robust, elastic seal which encapsulates the damaged area to restrict further deterioration.

Tor Edgeprotect™ is applied by brush, and is safe and easy to install, suitable for most roof types and is long lasting. Once the topcoat is applied it can blend in with the surrounding roof area. A fibre reinforcement tape is used as part of the system giving extra strength and protection. This process seals and repairs the corrosion on the metal sheets and can be used on the entire facade.

- Available nationwide
- Free consultation, advice and survey
- Minimum 10 Year Guarantee
- Easy and fast to apply
- Can be applied to most roof types
- Strong, durable and long lasting protection
- Work round your schedule to ensure minimum disruptions to your business
- Cost effective per linear metre on overlap edges and gutter-end edges
- Weather and UV resistance



We have worked with Cladding Coatings for many years, and have never been disappointed with the service or quality."

– Norman Hamilton,
Whittle Jones



Featured project



ROOF REFURBISHMENT

During a site survey Cladding Coatings found the warehouse units to be in need of some refurbishment with areas starting to corrode and painted cladding becoming flaky.

The complete, repair and refurbishment of the 5 warehouse units, included all roofing, guttering & roof lights, walls & signage, windows & roller shutter doors.

We used Tor Coatings; Tor Elastaseal™ Fibretex which is an effective, durable flexible system.

The process involved cleaning and drying the area, then using a hand held grinder to remove loose particles leaving a smooth debris free edge for the repair application to adhere to. A primer coat was then applied followed by a fibre tape to seal the edge, a top coat was finally applied to create a watertight seal of the cut edge.

Project Name:

North Seaton Industrial Estate, Northumberland

Date: 2016

Client, Whittle Jones, has a large complex at North Seaton Industrial Estate which comprises 25 industrial / warehouse units which range in size from 728 – 2800 sq. ft. the site is located around 16 miles north of Newcastle Upon Tyne.

Whittle Jones commissioned Cladding Coatings to refurbish part of the complex which comprises 5 large warehouse units in a cul-de-sac setting.



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