



CLADFLEX

PITCHED ROOF &
CLADDING PROTECTION



stratawaterproofing.com



Strata Waterproofing is a specialist manufacturer and distributor of high-performance roofing and waterproofing solutions. Our ethos is built on delivering **quality products**, offering **friendly and flexible service**, and supporting our customers with **expert technical advice** and guidance.



INTRODUCING STRATA

ROOFING & WATERPROOFING SPECIALIST

At Strata Waterproofing we provide a complete roofing solution, from initial design concept through to completion. With a range of high quality, engineered roofing systems and a knowledgeable, friendly team, Strata are on hand to help specifiers, contractors and building owners find the right solution for their project.

Strata Waterproofing systems include:

- StrataBit Bituminous Membranes
- StrataPlan Polymeric Single Ply
- StrataShield Liquids
- CladFlex Pitched Roof Protection

STRATASHIELD CLADFLEX

PITCHED ROOF WATERPROOFING & CORROSION PROTECTION

StrataShield CladFlex is a high performance liquid-applied system designed to offer class-leading protection for a wide range of industrial pitched roofs. With exceptional defence against corrosion and weathering, StrataShield CladFlex incorporates the latest polyurethane / polyurea technology and is ideal for use on metal roofs, cladded roofs, gutter linings and asbestos fibre-cement roofs.

- ✓ C5 certified corrosion protection
- ✓ Side-lap and end-lap protection
- ✓ Quick and simple application
- ✓ Outstanding waterproofing performance
- ✓ Colour matched finishing options
- ✓ Spray-applied system for asbestos cement roofs



CUT EDGE CORROSION

WHAT IS IT AND WHAT KIND OF BUILDINGS ARE AFFECTED?

What is cut edge corrosion?

Cladding sheets are typically manufactured in a factory and finished with a generic protective coating. However, when they are cut down to meet the specific size requirements of a particular project, the edges of the metal sheet become exposed to the elements. This can then become an area of weakness and, if left untreated, the exposed metal edges will eventually corrode and fail.

Where does it usually occur?

Cut edge corrosion is usually most prominent across the sheet laps and sheet ends, but can rapidly spread due to the effect of capillary rainwater action, leading to corrosion of the sheet underside.

Which buildings are typically affected?

Cut-edge corrosion is usually found on large, industrial roofs, but it can also affect a wide range of private and public buildings. The problem can be accelerated in particularly aggressive environment such as coastal locations. Typical buildings affected include:

- | | |
|--------------------------|------------------------|
| ✓ Factories & warehouses | ✓ Distribution centres |
| ✓ Hospitals | ✓ Post offices |
| ✓ Retail units | ✓ Railway buildings |
| ✓ Supermarkets | ✓ Leisure centres |

Cut edge corrosion is usually exempt from the roof sheet manufacturer's warranty, so early detection and treatment can therefore help avoid the potentially significant costs associated with full sheet replacement. Unwanted roof leaks can also be prevented, helping to extend the life of the roof further and preserve the contents within.



WHAT ARE THE SOLUTIONS FOR CUT EDGE CORROSION?

How can cut edge corrosion be treated?

Cut-edge corrosion can be costly and disruptive if a suitable treatment is not applied. The health and safety considerations should not be underestimated. However, an effective, technologically-advanced system such as StrataShield CladFlex can help eradicate this problem. Offering the highest levels of corrosion protection (C5) and fire safety (Broof T4), StrataShield CladFlex has been specifically designed to provide exceptional performance on a wide range of industrial pitched roofs and associated guttering.

If you need assistance with your roof, speak to one of Strata Waterproofing's technical experts today. We can recommend the best long-term solution for your particular building and organise the complete project for you, from initial design through to installation and issue of the warranty.

STRATASHIELD CLADFLEX

LIQUID PROTECTION FOR CLADDED PITCHED ROOFS

System overview

StrataShield CladFlex is a high quality, cost-effective treatment for cut-edge corrosion. It enables all existing joints and overlaps to be fully protected and sealed without disturbing any sheets or fixings, and provides long-term protection against the effects of weathering for up to 15 years.

The StrataShield CladFlex system incorporates a range of flexible, high performance primers which help prepare the roof surface and ensure a reliable bond. Following this, a flexible butylene tape is used to add extra strength across the edge or joint area. A two-layer polyurethane coating is then applied to provide exceptional protection against UV, weather and fluctuations in temperature. Finally, the main roof can be coated with a UV resistant sealer coat, and this can be colour matched to your desired RAL number if required.

Features & benefits



**BROOF
T4 FIRE
RATING**

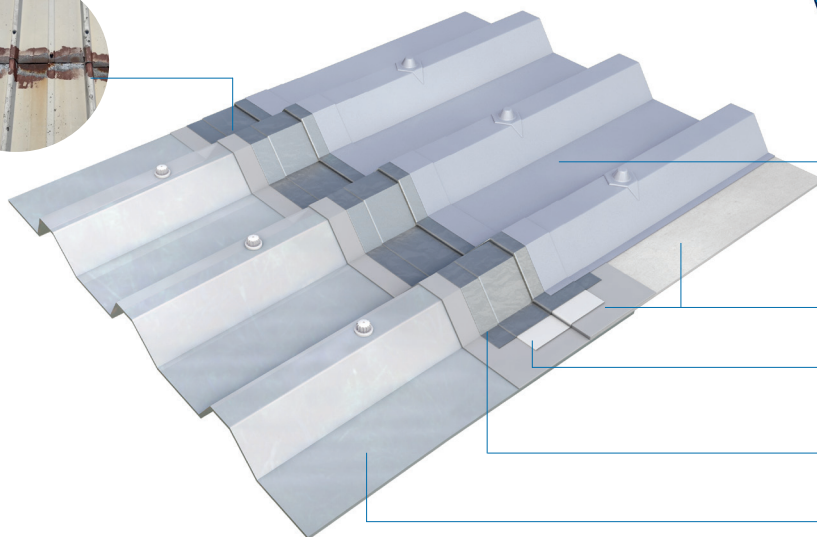
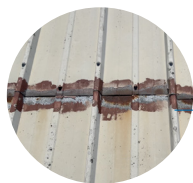


**C5
CORROSION
PROTECTION**



**CHEMICAL-
CURE
TECHNOLOGY**

System build-up: main roof area:



StrataShield Sealer Coat (2 coats)

High performance primers:

- StrataShield AC for any rusted sections
- StrataShield SA Primer for laps
- StrataShield Bonding Agent (whole roof)

StrataShield BT Tape*

StrataShield Flex polyurethane waterproofing system (2 coats)

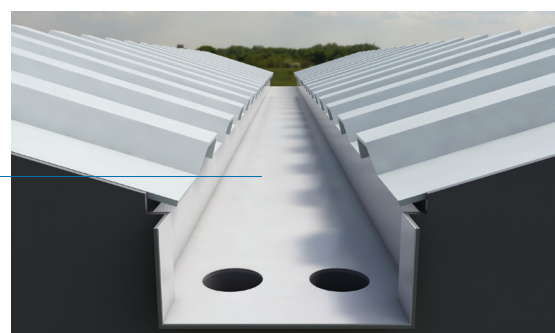
Existing metal cladding

*For sealing existing leaking joints to avoid premature corrosion of roofing sheet

System build-up - internal gutters:

GUTTER LINING:

- 1). StrataShield AC Primer (where corrosion present)
- 2). StrataShield Bonding Agent
- 3). StrataShield Proflex Embedment Coat (1.5 kg/m²)
- 4). StrataShield GF Reinforcement
- 5). StrataShield Proflex Top Coat (1.5 kg/m²)
- 6). StrataShield Sealer Coat (optional)



STRATASHIELD CLADFLEX RANGE DETAILS

COMPLETE PROTECTION FOR PITCHED ROOFS

Range overview

The StrataShield CladFlex range includes high performance primers, tapes and waterproofing liquids that combine to provide long-term reliable protection for cladded roofs. The tables below gives further details of the range of system components that are available:

SUBSTRATE PREPARATION

Type	Product name	Application / Use	Packaging	Approx. Coverage
Primers & Bonding Agents	StrataPrime Bonding Agent	One component activator / bonding primer for use across the whole roof area	4 kg / 20 kg can	10m ² per kg
	StrataPrime AC	Zinc rich anti-corrosion primer for use in rusted sections which have been prepared and abraded back to metal	11.5 kg drum	3m ² per kg
	StrataPrime Standard AC	Economic anti-corrosion primer for use in similar locations to the StrataPrime AC product	5 litre drum	5-8m ² per litre

JOINT STRENGTH & REINFORCEMENT

Type	Product name	Application / Use	Packaging	Approx. Coverage
Tapes & Fleeces	StrataShield BT Tape	Butyl tex tape for application on upstands and profile sheet side / end laps (4 per box)	15.2m x 15cm tape	15.2 linear m
	StrataFleece GF	Glass fibre reinforcing layer which is embed into the base layer of StrataShield resin	25m / 150m x 1m	25m ² / 150m ²
	StrataFleece Geo	Themowelded geotextile fabric for use in particularly demanding areas such as box gutters etc.	0.3m / 1m x 100m	30m ² / 100m ²

WATERPROOFING & FINISHING

Type	Product name	Description / Use	Packaging	Approx. Coverage
2-Layer System	StrataShield Flex	One component liquid polyurethane waterproofing membrane. Available in 2 colours: Light Grey RAL 7001 Dark Grey RAL 7011	6 kg / 25 kg container	1 kg/m ²
Wet-on-wet system	StrataShield ProFlex	One component liquid polyurethane waterproofing membrane used in conjunction with StrataShield Catalyst	25 kg drum + 1.5 kg drum	2 kg/m ² (wet-on-wet)
	StrataShield Catalyst	Special additive used to accelerate the curing process of StrataShield ProFlex waterproofing resins		

Type	Product name	Application / Use	Packaging	Approx. Coverage
Sealer Coats	StrataShield Sealer Coat	Clear (c) or pigmented (p), aliphatic, UV-resistant resin finish	4 kg / 20 kg can (c) 6 kg / 25 kg can (p)	4m ² per kg
	StrataShield FC Sealer Coat	Pigmented aliphatic hard wearing finish coating with fast cure properties	5 kg / 15 kg can	3m ² per kg

TECHNICAL SUPPORT & WARRANTIES

COMPLETE PROJECT REASSURANCE

Technical service overview

At Strata we aim to provide clients with a complete roofing solution from initial design concept through to completion and ongoing support. In addition to providing a comprehensive suite of datasheets, literature and installation guides, we have a highly skilled technical team of waterproofing experts who are on hand to offer bespoke project support and technical guidance on key items such as:

- System design and specification guidance
- Membrane choice to suit project needs
- Appropriate system accessories
- Project calculations, e.g. U-value and wind-uplift
- On-site surveys and quality assurance checks
- Ongoing maintenance advice

CLADFLEX WARRANTY TERMS



**10 YEAR
MATERIALS
WARRANTY**

**STRATASHIELD CLADFLEX
SYSTEM**



**15 YEAR
MATERIALS
WARRANTY**

**STRATASHIELD CLADFLEX SYSTEM
(WITH EXTRA LAYER OF SEALER COAT)**

CladFlex Warranties

Our warranties offer complete peace of mind that your CladFlex system will continue to provide exceptional waterproofing performance for many years to come. They include all of the components supplied by Strata Waterproofing as part of a single-point guarantee solution.



Scan to View CladFlex
Application Video



NEED MORE HELP?



CALL OUR TECHNICAL TEAM ON 028 9030 2924



OR REGISTER TO ACCESS OUR DEDICATED TECHNICAL HUB

www.stratawaterproofing.com/technical-hub

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