

stratashield
CladFlex
LIQUID PROTECTION FOR PITCHED ROOF CLADDING





Strata Waterproofing is a specialist flat roofing and waterproofing company. With decades of in-house expertise and experience, we provide modern, innovative solutions to today's waterproofing challenges.

INTRODUCING STRATA

ROOFING & WATERPROOFING SPECIALIST

At Strata Waterproofing we provide a complete roofing solution, from initial design concept through to completion. We work closely with world-class manufacturers to provide the very best waterproofing systems, backed up with exceptional technical support and long-term warranties.

FLAT ROOF SYSTEMS WE OFFER:

- Built up felt systems
- Single ply membranes
- Cold liquid solutions
- Hot spray polyurea
- Hot melt systems
- Green roofs

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 becomes 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 is BBA Approved and 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 highly effective, 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 an 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.

SYSTEM OVERVIEW



C5
CORROSION
PROTECTION



T4
BROOF
FIRE
RATING

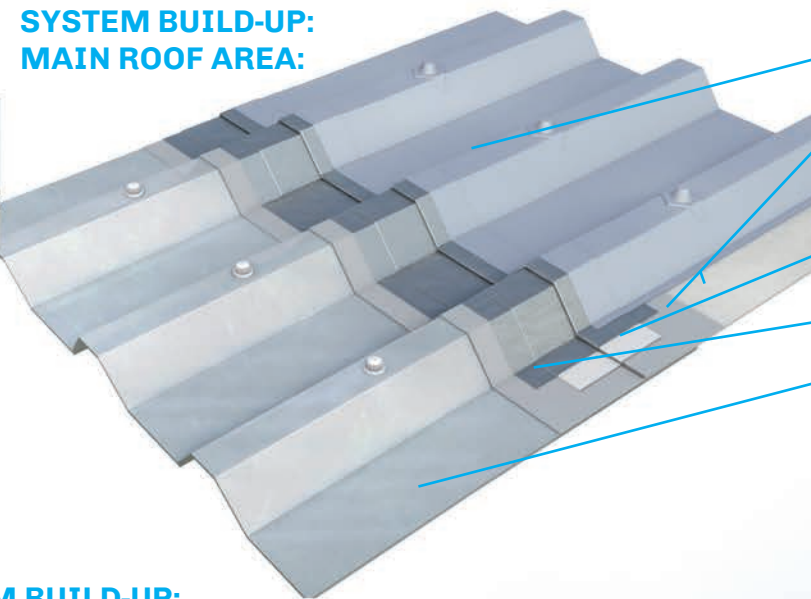


**CHEMICAL-
CURE
TECHNOLOGY**



**BBA
CERTIFIED
SYSTEM**

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

- C5 (Very High) Corrosion Class
- Complete system solution
- Ideal for full roofs & gutters

SYSTEM BUILD-UP: INTERNAL GUTTERS:

GUTTER JOINTS:

- 1). StrataShield AC Primer / Bonding Agent
- 2). StrataShield Expansion Tape (embedded in StrataShield Proflex)
- 3). StrataShield Proflex System
- 4). StrataShield Sealer Coat



GUTTER LINING:

- 1). StrataShield AC Primer
- 2). StrataShield Bonding Agent
- 3). StrataShield Proflex Embedment Coat
- 4). StrataShield GF Reinforcement
- 5). StrataShield Proflex Top Coat
- 6). StrataShield Sealer Coat

ASBESTOS ROOF PROTECTION

SPRAY-APPLIED SYSTEM FOR COMPLETE ENCAPSULATION

SYSTEM OVERVIEW

Today there are still many commercial and industrial properties that are fitted with an asbestos roof, despite the well-publicised dangers associated with this type of material. As these properties approach, or even exceed the material's expected life expectancy, cracks and other damage become inevitable, leading to an urgent maintenance issue.

Even the slightest disturbance of an asbestos sheet can be extremely hazardous, and there are increasingly stringent disposal regulations which can often make complete disposal and roof replacement prohibitively expensive. Total encapsulation of the existing roof is therefore the safest and most cost effective option.

In such situations, StrataShield Rapide is ideal long-term solution, providing an instant-cure, spray-applied waterproofing coating with elastomeric crack-bridging properties. It is a moisture-tolerant, breathable system that can even be applied in damp or wet conditions, meaning that essential refurbishment works can continue without delay.

FEATURES & BENEFITS



**C5
CORROSION
PROTECTION**



**BROOF
T4 FIRE
RATING**



**CHEMICAL-
CURE
TECHNOLOGY**



**BBA
CERTIFIED
SYSTEM**

SYSTEM BUILD-UP

The illustration below shows a typical StrataShield Rapide spray application onto an asbestos cement roof:



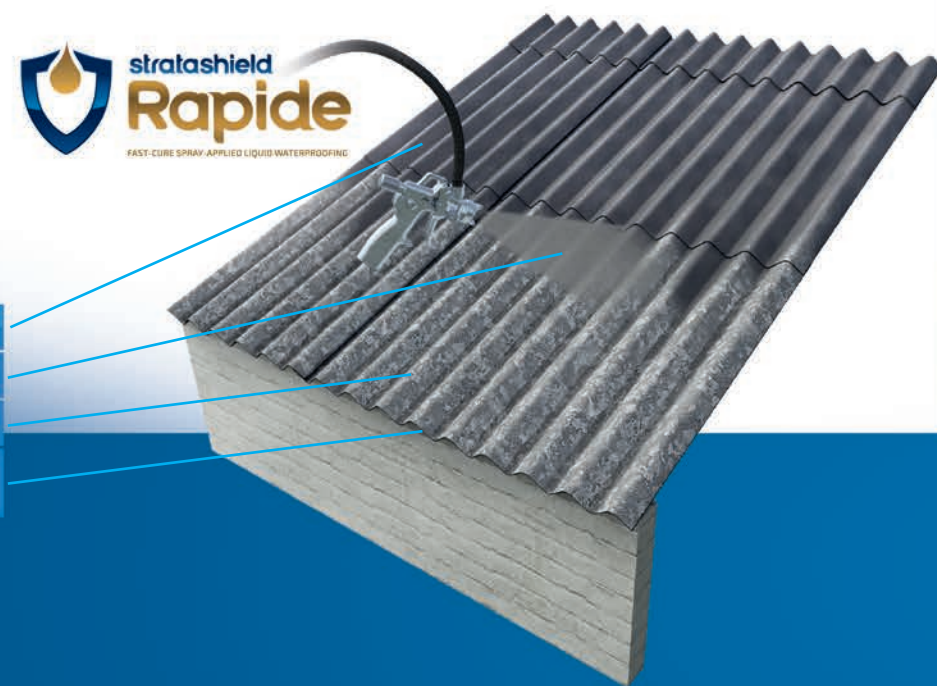
**stratashield
Rapide**
FAST-CURE SPRAY-APPLIED LIQUID WATERPROOFING




StrataShield Rapide System

Primer as required

Substrate e.g. profiled metal

Cut-edge corrosion protection
using StrataPrime AC



-  Complete roof encapsulation
-  Moisture-tolerant system
-  Rapid, spray application

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	DESCRIPTION / 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 SA	Fast drying synthetic primer to be used along with the StrataShield BT Tape	15Kg	10m ² per kg

JOINT STRENGTH & REINFORCEMENT

TYPE	PRODUCT NAME	DESCRIPTION / USE	PACKAGING	APPROX. COVERAGE
Tapes & Fleeces	StrataShield BT Tape	Self-adhesive butyl tex tape for application on upstands and profile sheet side / end laps	20m x 15cm tape	20 linear m
	StrataShield Expansion Tape	Expansion tape for use in sectional gutters. Embedded in 1kg/m ² of StrataShield ProFlex resin	30m x 17cm	20 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 Base Coat	One component liquid polyurethane waterproofing membrane (Light Grey RAL 7001)	25 kg container	1 kg/m ²
	StrataShield Flex Top Coat	One component liquid polyurethane waterproofing membrane (Dark Grey RAL 7011)	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		
Hot Spray	StrataShield Rapide	Two component, polyurea waterproofing system which is applied by specialist hot mechanical spraying equipment	2 x 400 kg drums	1.5-2.0 kg/m ² (1.5-2.0 mm thick)

TYPE	PRODUCT NAME	DESCRIPTION / USE	PACKAGING	APPROX. COVERAGE
Sealer Coats	StrataShield Sealer Coat	Clear or pigmented, aliphatic, UV-resistant resin finish	4 kg / 20 kg can	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

FOR MORE INFORMATION VISIT:

stratashield.co.uk



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