



**stratashield**

LIQUID POLYURETHANE WATERPROOFING TECHNOLOGY



**strata**

WATERPROOFING SYSTEMS





Strata Waterproofing is a specialist waterproofing manufacturer and distributor. 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.

Our cold applied liquid systems are suited to many application areas including:

- Flat roofs (warm and inverted)
- Industrial pitched roofs
- Car parks
- Balconies

# STRATASHIELD LIQUID ROOFING

## ADVANCED WATERPROOFING TECHNOLOGY

The StrataShield range of liquid waterproofing systems incorporates the latest polyurethane and polyurea technology, and has been specially developed to meet the needs of modern construction. With traditional two-layer, wet-on-wet and spray-applied options, StrataShield can be tailored to the individual needs of your roof or balcony, providing outstanding waterproofing performance and long-term peace of mind.

- ✓ BBA Approved with Broof T4 fire rating
- ✓ Approved for use on zero falls roofs and blue roofs
- ✓ Flame-free, seamless waterproofing protection
- ✓ Cold liquid polyurethane and hot spray polyurea system options
- ✓ Ideal for both new build and refurbishment projects
- ✓ Range of finishes for decorative balconies and walkways
- ✓ Long-lasting waterproofing performance



# STRATASHIELD - OVERLAY OPTIONS

## HIGH PERFORMANCE LIQUID WATERPROOFING SYSTEM

### System overview

The StrataShield range includes a variety of refurbishment options, ideal for use as an overlay on roofs, balconies and walkways. Where an economical, moisture-cured system is required, StrataShield Flex offers the perfect solution, and where speed of cure is a priority, StrataShield ProFlex offers wet-on-wet chemical cure technology.

### Features & benefits

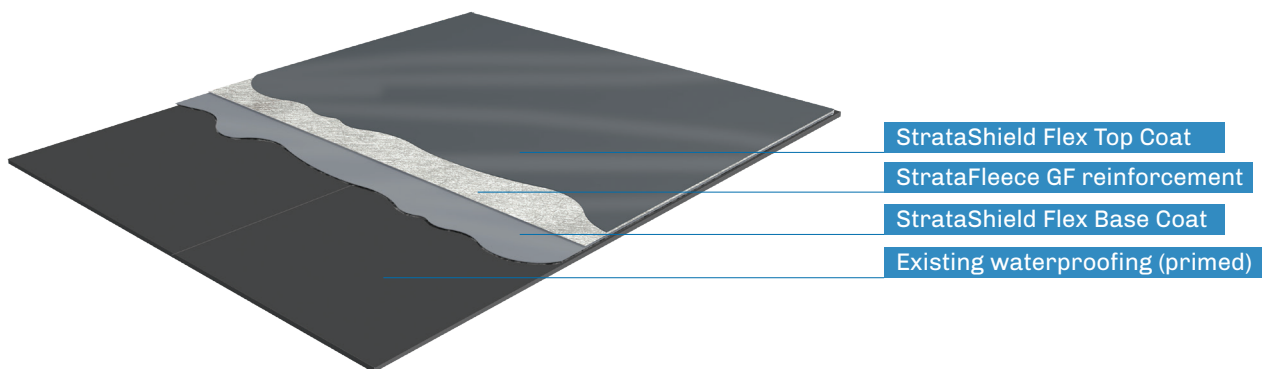
- Economical overlay solution
- Choice of moisture-cure or chemical-cure technology
- Rapid installation
- Suitable for blue roofs and zero falls roofs
- BBA Approved with Broof T4 fire performance
- Optional finishes for balconies and walkways

### Suitable substrates

- ✓ Felt & asphalt membranes
- ✓ Single ply (PVC, EPDM etc)
- ✓ Existing liquids
- ✓ Metals
- ✓ Concrete, brick & masonry
- ✓ Timber

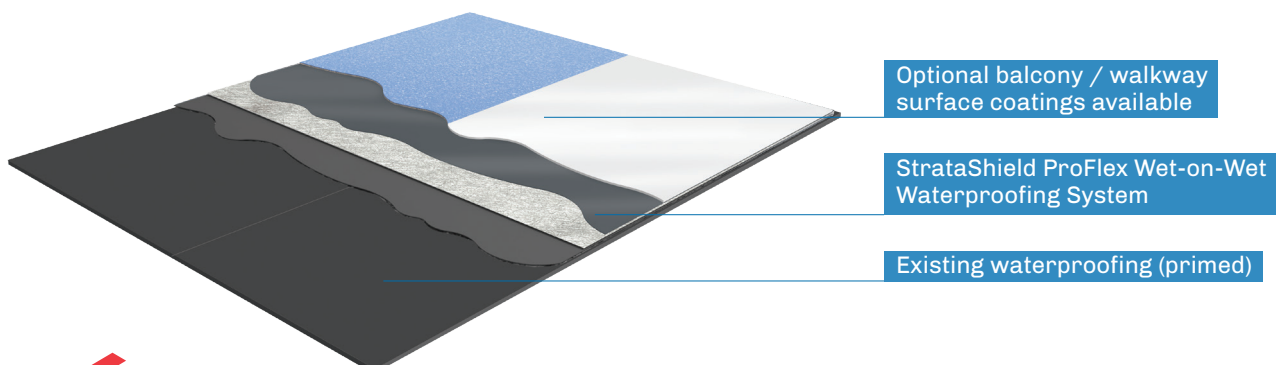
### Flat roof refurbishment - overlay example

The illustration below shows a typical StrataShield overlay system onto an existing bituminous waterproofing membrane:



### Balconies and walkways - overlay example

The illustration below shows a typical StrataShield overlay system for terraces, balconies and walkways:





# STRATASHIELD PROFLEX - WARM ROOF

## WET ON WET, FAST-CURE LIQUID WATERPROOFING SYSTEM

### System overview

StrataShield ProFlex is a next-generation waterproofing system that is ideally suited to a wide range of roofs, balconies, terraces and walkways areas. It is a chemically cured, 'wet-on-wet' system, incorporating a special super-accelerant catalyst which dramatically reduces installation times and enables rapid return to service.

The StrataShield ProFlex System provides class-leading performance and is only installed by Registered Proflex Contractors who have received specialist system training and have proven expertise in liquid waterproofing. It also carries full BBA Accreditation and is supported by long-term, meaningful warranties for complete peace of mind.

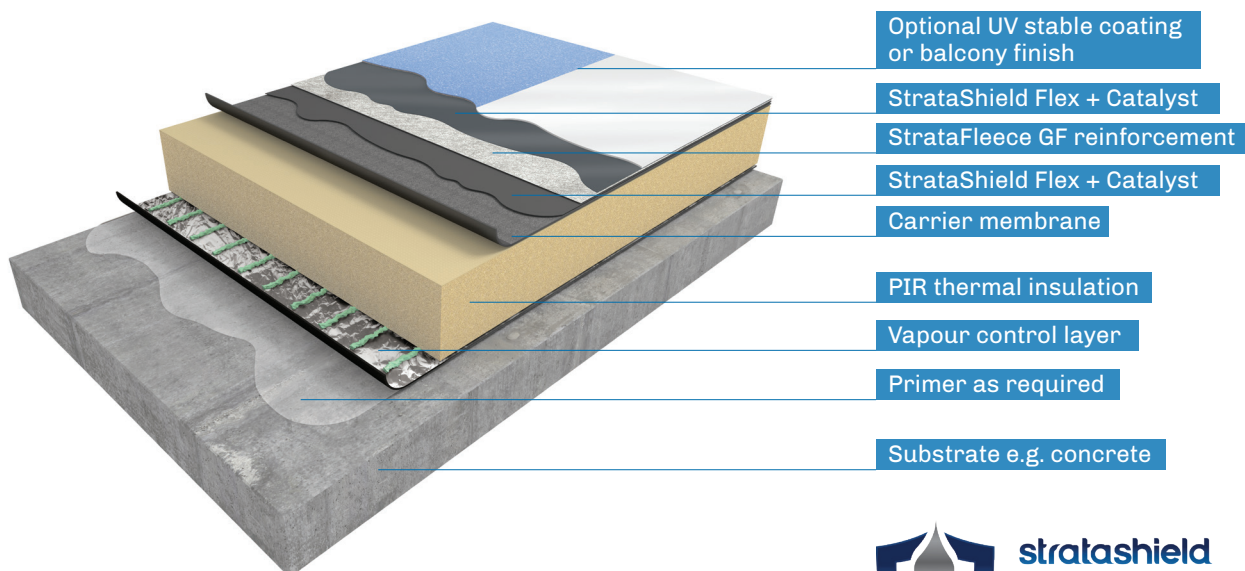
### Features & benefits

- Chemically-cured, wet-on-wet system
- Rapid application, rapid return to service
- Perfectly suited to both new build and refurbishment projects
- Choice of finishes for roofs, balconies and walkways
- BBA Approved with Broof T4 fire performance
- Withstands 6m head of water - ideal for zero falls roofs & blue roof systems



### System build-up

The illustration below shows a typical StrataShield ProFlex warm roof build-up with optional decorative finishes:



### Product & application details

The following table illustrates the approximate coverage rates and curing times for a typical StrataShield ProFlex waterproofing application. For further technical details please consult the individual Product Data Sheets.

Product	Accelerant	Colour	Application Rate	Dry to touch	Fire Performance
StrataShield Flex (25 kg)	StrataShield Catalyst (1.5 kg)	Dark Grey (RAL 7011)	2 kg/m <sup>2</sup> wet-on-wet	3-4 hours	Broof T4

# STRATASHIELD RAPIDE

## SPRAY APPLIED, INSTANT-CURE POLYUREA ROOFING SYSTEM

### System overview

On larger roofs, or on those where speed of application is the top priority, StrataShield Rapide provides the ideal solution. It is a solvent-free, spray-applied polyurea system which is highly elastic and exhibits exceptional crack-bridging properties, making it suitable for use on as a high performance waterproofing system for flat roofs and podium decks.

StrataShield Rapide can be quickly and easily applied directly to the suitably primed roof surface. It is particularly suited to the waterproofing of large profiled metal roofs and asbestos cement roofs.

### Features & benefits

- Spray-applied, instant-cure system
- Suitable for flat roofs and podium decks
- Elastomeric crack-bridging properties
- Up to 800m<sup>2</sup> can be applied in a single day
- BBA Approved with Broof T4 fire performance
- Withstands 6m head of water - ideal for zero falls roofs & blue roof systems



### System build-up

The illustration below shows a typical StrataShield Rapide spray application onto a profiled metal deck:



### Product & application details

StrataShield Rapide cures to touch within just a few minutes and the table below shows the approximate shore hardness properties exhibited by the cured system. For further technical details please consult the Product Data Sheet.

Product	Approximate Shore Hardness Properties				
	After 5 mins	After 10 mins	After 1 hour	After 24 hours	After 4 days
StrataShield Rapide (400 kg)	28A	40A	70A	80A	88A

# STRATASHIELD RANGE DETAILS

## A COMPLETE, ONE-STOP SYSTEM SOLUTION

### Range overview

The StrataShield range of polyurethane liquid systems includes high performance waterproofing liquids and a range of key accessories that help to ensure a successful installation. This includes specially formulated primers and bonding agents, reinforcement fabrics and jointing tapes, together with UV stable aliphatic resins to complete the various balcony and walkway systems. The tables below gives details of the core range of StrataShield system products:

## STRATASHIELD WATERPROOFING

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)	6 kg / 25 kg container	1 kg/m <sup>2</sup>
	StrataShield Flex Top Coat	One component liquid polyurethane waterproofing membrane (Dark Grey RAL 7011)	6 kg / 25 kg container	1 kg/m <sup>2</sup>
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 <sup>2</sup> (wet-on-wet)
	StrataShield Catalyst	Special additive used to speed up the curing process of StrataShield Flex waterproofing systems		
Hot Spray Polyurea	StrataShield Rapide	Two component, polyurea waterproofing system which is applied by hot mechanical spraying equipment	400 kg drum	1.5-2.0 kg/m <sup>2</sup> (1.5-2.0 mm thick)

## STRATASHIELD ACCESSORIES

Type	Product name	Application / Use	Packaging	Approx. Coverage
Primers & Bonding Agents	StrataPrime Porosity	One component polyurethane primer for sealing and binding concrete and cementitious surfaces	4 kg / 20 kg can	5m <sup>2</sup> per kg
	StrataPrime Porosity Flex	One component polyurethane primer for use on bituminous felt, mastic asphalt, plywood & concrete	4 kg / 20 kg can	5m <sup>2</sup> per kg
	StrataPrime Bonding Agent	One component activator for priming difficult surfaces such as metal, PVC, EPDM & GRP	4 kg / 20 kg can	10m <sup>2</sup> per kg
	StrataPrime HP	Two component epoxy primer for use on damp wood and damp concrete	5 kg / 18 kg can	3m <sup>2</sup> per kg
	StrataPrime GC	Two component epoxy primer for use on newly laid wet / green concrete	15 kg drum	2m <sup>2</sup> per kg
	StrataPrime AC	One component zinc rich anti-corrosion primer	22.7 kg drum	3m <sup>2</sup> per kg
	StrataPrime Standard AC	Cost-effective anti-corrosion primer	5 litre drum	5-8m <sup>2</sup> per kg
Balconies & Walkways	StrataShield Sealer Coat	Clear (c) or pigmented (p), aliphatic, UV-resistant resin finish (sand / quartz is broadcast into it)	4 kg / 20 kg can (c) 6kg / 25kg can (p)	4m <sup>2</sup> per kg
	StrataShield FC Sealer Coat	Pigmented aliphatic hard wearing finish coating with fast cure properties	5 kg / 15 kg can	3m <sup>2</sup> per kg
	StrataShield Anti-Slip Finish	Course additive to achieve non-slip finish	1 kg bag	80m <sup>2</sup>
Tapes & Fleeces	StrataShield BT Tape	Butyl tex tape for use on upstands or cracks on roof (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 <sup>2</sup> / 150m <sup>2</sup>
	StrataFleece Geo	Themowelded geotextile fabric for use in particularly demanding areas such as box gutters etc.	0.3m / 1m x 100m	30m <sup>2</sup> / 100m <sup>2</sup>

FOR MORE INFORMATION VISIT:

[stratashield.co.uk](http://stratashield.co.uk)



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