

ULTRA FLEX

HIGH PERFORMANCE LIQUID WATERPROOFING SYSTEM



Ultraflex is a glass fibre reinforced liquid applied modified polyurethane flat roofing system which provides the ideal membrane for household and commercial roofs. Applications include new projects, the repair or replacement of existing roofs, waterproofing of balconies, walkways, box and valley gutters, warm roofs, inverted roofs and green roofs.

Ultraflex has excellent adhesion to many substrates including: plywood, concrete, asphalt, metals, brickwork, felt and most single-ply systems. Ultraflex is fully adhered continuous and totally seamless, this is a membrane that is highly flexible and extremely durable and will provide long term and reliable flat roof protection.

Applied as a “Wet -on- Wet” system Ultraflex has significant technical advantages over many alternative roofing systems. Unlike multi-layer systems Ultraflex is applied by encapsulating a reinforcement fabric between coats of the base and topcoat in one operation, the fabric regulates thickness and provides strength, this results in a build-up of a single chemically bonded membrane which forms an inseparable covering without thin spots and with no lack of adhesion between layers that could lead to separation. The membrane being applied in wet form allows to easily incorporate the most intricate roof detail and contours into one integral and completely seamless roof covering.

Ultraflex is cold applied, moisture curing and rain resistant instantly after application.

Ultraflex is fully foot trafficable and can be finished with an option of non-slip medium or aggregates bonded into the surface.



**BBA certified for a
service life in excess
of 25 years**

**Ultra-Flex has NHBC
and green roof approval**



S.R.S Flat Roof Supplies. Unit A6 Rose Industrial Estate, Marlow Bottom, Marlow, SL7 3ND
T: 01628 476040 **E:** info@srsroofsystems.com **W:** www.srsroofsystems.com

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PROPERTIES	VALUES	METHOD
Specific gravity (kg/m ³)	1.320 - 1.420	DIN 53 217
Viscosity at 23°C)	2.650cps	ASTM D2196-86
Dry extract	>90	EN 1768
Flash Point (°C)	42°C	ASTM D93
Ashes at 450°C % weight	42 - 47%	EN 1879
Temperature	0°C and rising	
Hardnes Shore A at 23°	C >75	
Tensile strength	6 MPa	
Dry time	2 - 8 hours. Fully cured 24 hours	
Over coast time	+5 - +48 hours	
Tensile strength	7 MPa	
Elongation	>400%	
Water vapour resistance	μ=2.500	
Concrete adherence	>2 MPa	

Key advantages include:

- Totally seamless.
- Reinforced, durable and foot trafficable.
- Fully bonded and elastomeric.
- Cold applied.
- Rapid and clean installation.
- Rain resistant instantly after application.
- Performance guaranteed.

Suitable applications include:

- All new flat roofing projects and the repair or refurbishment of existing membranes for households or commercial properties.
- Warm/cold roofs, green roofs, solar roofs, balconies.
- Metal roofs, box, valley and parapet gutters.

presented by:



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