

BAUDER

Rooflights, Outlets & Products



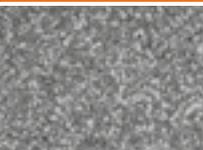
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Thermofol U15 FB
Adhered System

BITUMEN MEMBRANES

CAP SHEETS

	SURFACE		REINFORCEMENT	TENSILE STRENGTH (EN 12311-1)	ELONGATION AT BREAK (EN 12311-1)	COLD BENDING TEST °C (EN 1109)	HEAT STABILITY °C (EN1110)	THICKNESS mm (nominal)	WEIGHT (nominal) Kg/m ²	ROLL SIZE (W X L)
	TOP	BOTTOM								
KARAT										
	Charcoal grey or natural slate mineral	Thermofusible polyethylene	300g/m ² polyester glass composite	1450N/50mm	Length ≥ 23% Diagonal ≥ 23%	Top ≤ -25 Bottom ≤ -40	Top ≥ +150 Bottom ≤ +120	5.2	6	1 x 5m
K5K Cap Sheet										
	Charcoal grey, brown or natural slate mineral	Thermofusible polyethylene	250g/m ² Spunbond polyester	Length ≥ 1000N/50mm Diagonal ≥ 1000N/50mm	Length ≥ 45% Diagonal ≥ 45%	-36	+120	5.2	6 Brown + natural slate 6.5 Charcoal	1 x 5m
Plant-E										
	Green mineral	Thermofusible polyethylene	250g/m ² Spunbond polyester	Length ≥ 1000N/50mm Diagonal ≥ 1000N/50mm	Length ≥ 45% Diagonal ≥ 45%	-36	+120	5.2	6	1 x 5m
K4E Cap Sheet										
	Charcoal grey, natural slate or brown mineral	Thermofusible polyethylene	250g/m ² Spunbond polyester	Length ≥ 800N/50mm Diagonal ≥ 800N/50mm	Length ≥ 40% Diagonal ≥ 40%	-30	+110	4.2	5 Brown + natural slate 5.5 charcoal	1 x 7.5m
BauderTEC KSO SN										
	Brown and natural slate mineral	Release film over self-adhesive bitumen	200g/m ² Glass grille	Length ≥ 1000N/50mm Diagonal ≥ 1000N/50mm	Length ≥ 2% Diagonal ≥ 2%	-30	+100	4	4.6	1 x 5m
BauderTEC KSO-P SN Cap Sheet										
	Charcoal grey slate mineral	Release film over self-adhesive bitumen	215g/m ² Polyester fleece	Length ≥ 1000N/50mm Diagonal ≥ 900N/50mm	Length ≥ 40% Diagonal ≥ 40%	-30	+100	4	5.2	1 x 5m
Bauder Pro F										
	Natural slate mineral	Thermofusible polyethylene	250g/m ² Spunbond polyester	Length ≥ 1000N/50mm Diagonal ≥ 1000N/50mm	Length ≥ 45% Diagonal ≥ 45%	-36	+120	5.2	6	1.1 x 5
BauderTHERM SL500										
	Green/white, or natural slate mineral	Thermally activated bitumen stripes	250g/m ² Spunbond polyester	Length ≥ 900N/50mm (+ or - 10%) Diagonal ≥ 900N/50mm (+ or - 10%)	Length 45% (+ or - 5%) Diagonal 45% (+ or - 5%)	-30	+105	5.2	6	1 x 5m

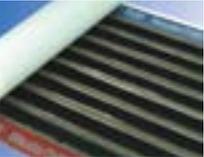
BITUMEN MEMBRANES

UNDERLAYERS

	SURFACE		REINFORCEMENT	TENSILE STRENGTH (EN 12311-1)	ELONGATION AT BREAK (EN 12311-1)	COLD BENDING TEST °C (EN 1109)	HEAT STABILITY °C (EN1110)	THICKNESS mm (nominal)	WEIGHT (nominal) Kg/m²	ROLL SIZE (W X L)
	TOP	BOTTOM								
Bauder KSA DUO 35										
	Foil	Release film over self-adhesive bitumen	200g/m² Glass lattice	Length ≥ 1000 Transverse ≥ 1000	Length ≥ 2% Transverse ≥ 2%	Top ≥ -25C° Bottom ≥ -30C°	≥ +100	3.5	4	1 x 75m
BauderTEC KSA DUO										
	Foil	Release film over self-adhesive bitumen	200g/m² Glass lattice	Length ≥ 1000N/50mm Diagonal ≥ 1000N/50mm	Length ≥ 2% Diagonal ≥ 2%	-25 Top -30 Bottom	+100	3	3.5	1 x 7.5m
SPRINT DUO										
	Foil	Release film over self-adhesive bitumen	120g/m² Glass fleece	Length ≥ 1000N/50mm Diagonal ≥ 1000N/50mm	Length ≥ 2% Diagonal ≥ 2%	-30	+100	2	2.5	1 x 15m
G4E										
	Mica	Thermofusible polyethylene	200g/m² Woven glass	Length ≥ 1200N/50mm Diagonal ≥ 1200N/50mm	Length ≥ 2% Diagonal ≥ 2%	-30	+110	4	4.8	1 x 7.5m
EGV 3.5										
	Mica	Thermofusible polyethylene	80g/m² Glass lattice	Length ≥ 500N/50mm Diagonal ≥ 500N/50mm	Length ≥ 2% Diagonal ≥ 2%	-10	+100	Ca. 3.5	Ca. 4.7	1 x 8m

BITUMEN MEMBRANES

AIR AND VAPOUR CONTROL LAYERS

SURFACE		REINFORCEMENT	TENSILE STRENGTH (EN 12311-1)	ELONGATION AT BREAK (EN 12311-1)	COLD BENDING TEST °C (EN 1109)	HEAT STABILITY °C (EN1110)	THICKNESS mm (nominal)	WEIGHT (nominal) Kg/m²	ROLL SIZE (W X L)	
TOP	BOTTOM									
TEC KSD MICA										
	Mica	Release film over self-adhesive bitumen	Polyester coated aluminium foil and 200g/m² glass fleece	Length ≥ 1000N/50mm Diagonal ≥ 1000N/50mm	Length ≥ 2% Diagonal ≥ 2%	-25	+70	Ca. 2.5	Ca. 2.5	1.08 x 10m
THERM DS1 DUO										
	Foil & mica	Release film over self-adhesive bitumen	Polyester coated aluminium foil and 60g/m² glass fleece	Length ≥ 400N/50mm Diagonal ≥ 400N/50mm	Length ≥ 2% Diagonal ≥ 2%	-25	+70	Ca.4	Ca. 4.5	1.08 x 7.5m
VB4-EXPAL										
	Mica	Thermofusible polyethylene	Polyester coated aluminium foil and 60g/m² glass fleece	Length ≥ 400N/50mm Diagonal ≥ 400N/50mm	Length ≥ 2% Diagonal ≥ 2%	-20	+70	Ca. 3.5	Ca. 4.5	1 x 7.5m
EVA 35										
	Mica	Thermofusible polyethylene	Polyester coated aluminium foil and 60g/m² glass fleece	Length ≥ 400N/50mm Diagonal ≥ 400N/50mm	Length ≥ 2% Diagonal ≥ 2%	-15	+70	Ca. 3.5	Ca. 4.5	1 x 8m
TEC DBR 06 - For use in cold applied liquid & single ply systems										
	Aluminum foil	Release film over self-adhesive bitumen	Aluminum foil	Length ≥ 950N/50mm	Length ≥ 4% Diagonal ≥ 4%	-40	+100	0.6	0.6	1.25 x 32m
TEC KSD FOIL - For use in single ply systems only										
	Aluminium Foil	Release film over self-adhesive bitumen	60g/m² glass fleece	Length ≥ 400N/50mm Diagonal ≥ 400N/50mm	Length ≥ 2% Diagonal ≥ 2%	-30	+100	Ca. 1.5	Ca. 1.8	1x15m

Other bituminous air and vapour control layers can also be specified in a single ply system

SINGLE PLY MEMBRANES

PVC MEMBRANES

	SURFACE		REINFORCEMENT	TENSILE STRENGTH (EN 12311-1)	ELONGATION AT BREAK (EN 12311-1)	COLD BENDING TEST °C (EN 1109)	HEAT STABILITY °C (EN1110)	THICKNESS mm (nominal)	WEIGHT (nominal) Kg/m ²	ROLL SIZE (W X L)
	TOP	BOTTOM								
Thermofol U12										
	Light grey	Dark grey	Pre-coated cross-weave polyester	md ≥ 1000N/50mm cd ≥ 900N/50mm	>19%	≥-30	N/A	1.2	1.47	1.5 x 20m
Thermofol U15										
	Light grey, blue grey or anthracite	Dark grey	Pre-coated cross-weave polyester	≥ 1000N/50mm	>19%	≥-30	N/A	1.5	1.81	1.5 x 20m Cover Strip 0.2 x 20m
Thermofol U18										
	Light grey, blue grey or anthracite	Dark grey	Pre-coated cross-weave polyester	≥ 1000N/50mm	>19%	≥-30	N/A	1.8	2.16	1.5 x 20m
Thermofol U20										
	Light grey	Dark grey	Pre-coated cross-weave polyester	≥ 1000N/50mm	>20%	≥-30	N/A	2.0	2.46	1.5 x 20m
Thermofol U15FB										
	Light grey, blue grey or anthracite	Polyester fleece	Pre-coated cross-weave polyester	≥ 1000N/50mm	>20%	≥-30	N/A	2.0	2.46	1.5 x 20m
Thermofol D18										
	Light grey, blue grey or anthracite	Grey	None	≥ 15N/50mm	>300%	-30	N/A	1.8	2.23	0.5 x 10m
Thermofol Embossed Walkway Membrane										
	Dark grey (RAL 7012) embossed	Dark grey	Pre-coated cross-weave polyester	≥ 700N/50mm	>20%	-30	N/A	2.0	2.0	0.75 x 20m

	DESCRIPTION	RAL NUMBER
Thermofol PVC	Light Grey	7035
	Blue Grey	7031
	Anthracite	7016
	Walkway	7012

SINGLE PLY MEMBRANES

FPO MEMBRANES

	SURFACE		REINFORCEMENT	TENSILE STRENGTH (EN 12311-1)	ELONGATION AT BREAK (EN 12311-1)	COLD BENDING TEST °C (EN 1109)	HEAT STABILITY °C (EN1110)	THICKNESS mm (nominal)	WEIGHT (nominal) Kg/m²	ROLL SIZE (W X L)
	TOP	BOTTOM								
Thermoplan T SV 12										
	Pearl white only	Black	Pre-coated cross-weave polyester	md ≥ 1200N/50mm cd ≥ 1150N/50mm	>19%	≥ -30	N/A	1.2	1.5	1.5 x 25m
Thermoplan T SV 15										
	Silver grey or pearl white	Black	Pre-coated cross-weave polyester	≥ 1200N/50mm	>19%	≥ -30	N/A	1.5	1.84	1.5 x 20m
Thermoplan T SV 20										
	Pearl white only	Black	Pre-coated cross-weave polyester	≥ 1200N/50mm	>19%	≥ -30	N/A	2	2.47	1.5 x 20m
Thermoplan T SV 15FB										
	Silver grey or pearl white	Polyester fleece	Pre-coated cross-weave polyester	≥ 1200N/50mm	>19%	≥ -30	N/A	2	2.12	1.5 x 20m
Thermoplan TL										
	Silver grey or pearl white	Black	None	≥ 1100N/50mm	>1000%	-45	N/A	1.8	1.67	0.5 x 10m
Thermoplan Embossed Walkway Membrane										
	Dark grey (RAL 7016) embossed	Black	Pre-coated cross-weave polyester	≥ 1100N/50mm	>20%	-30	N/A	2.0	2.4	0.75 x 10m

PRODUCT	DESCRIPTION	RAL NUMBER
Thermoplan FPO	Silver Grey	7001
	Pearl White	1013
	Walkway	7016

POLYETHYLENE AIR AND VAPOUR CONTROL LAYER FOR SINGLE PLY SYSTEMS ONLY

DB100 (formerly VB20)										
	DB100 Blue Polyethylene (formerly VB20)	N/A	N/A	>140 W/50mm	>300%	N/A	N/A	0.16	0.15	4 x 25m
TEC DBR 06 - For use in cold applied liquid & single ply systems										
	Aluminum foil	Release film over self-adhesive	Aluminum foil	Length ≥ 950N/50mm	Length ≥ 4% Diagonal ≥ 4%	-40	+100	0.6	0.6	1.25 x

HOT MELT WATERPROOFING

COLOUR	SOLID CONTENT	MINIMUM INSTALLATION TEMPERATURE	FLASH POINT	HEAT STABILITY	BLOCK WEIGHT Kg	COVERAGE @ 6mm
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Bauder Hot Melt



Black	100%	-18°F	555°F / 291°C	5h @ 199°C	22.6kg	6.5 kg/m ²
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TENSILE STRENGTH	TEAR RESISTANCE	MULLER BURST (PSI)	THICKNESS (mm)	ROLL WEIGHT kg	ROLL SIZE
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Reinforcing Sheet



109 N	38 N	17	0.2	5.7	184 x 1.016mm
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SURFACE FINISH	REINFORCEMENT	TENSILE STRENGTH	ELONGATION AT BREAK	THICKNESS	WEIGHT Kg	ROLL SIZE
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AP1



Fine sand	60g/m ² glass tissue	Length Av 430N/50mm Diagonal Av 355N/50mm	N/A	1.5mm	1.8kg/m ²	1 x 20m
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AP2



Green mineral	250g/m ² Spunbond polyester	Length ≥ 1000N/50mm Diagonal ≥ 1000N/50mm	Length ≥ 45% Diagonal ≥ 45%	4.2mm	5 kg/m ²	1 x 7.5m
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THICKNESS	WEIGHT PER BOARD	WATER TIGHTNESS	PUNCTURE RESISTANCE ATSM E-54	RESISTANCE TO IMPACT EN 12691	SIZE
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AP3



3mm	8.18 kg	> 400KpA	1474 N/mm	> 700mm	2 x 1m
6mm		> 400KpA	1497 N/mm	> 700mm	

COLOUR	TENSILE STRENGTH ASTM D412	ELONGATION ASTM D2240	TEAR RESISTANCE ASTM D624	UV RESISTANCE ASTM D1149	ROLL WEIGHT approx	ROLL WIDTH	ROLL LENGTH
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Neoprene



TOP Black	660 kN/m	400%	76 kN/m	No Deterioration	11.36 kg	150mm	30.48m
BOTTOM Black					22.73 kg	450mm	
	60 kg	900mm					

COLD APPLIED LIQUID

LiquiTEC Systems

LiquiPRIME 1 & 2



LiquiPRIME 1

Primer for timber and exposed bitumen substrates (eg. asphalt)

Rainproof time 30mins
Traffic time / next coat 45mins



LiquiPRIME 2

Primer for brickwork, blockwork and concrete

Rainproof time 30mins
Traffic time / next coat 45mins

LiquiDEK



Main area waterproofing for roofs

Rainproof time 30mins
Traffic time / next coat 45mins

LiquiDETAIL



Upstand and detail waterproofing

Rainproof time 30mins
Walk on time / Next coat 45mins

LiquiFIBRE



Waterproofing for awkward to access areas

Rainproof time 30 mins
Walk on time / Next coat 45 - 120mins

TEC KSD DUO



Air and Vapour Control Layer / Carrier Membrane
Roll Size 1m x 15m
Thickness 1.5mm
Top - alu/polyester
Bottom - self adhesive bitumen

LiquiBALKON



Main area waterproofing for balconies and walkways.

Rainproof time 30mins
Traffic time / next coat 45mins

LiquiPAVE R



Resin component for balcony and walkway surfacing

Rainproof time 30mins
Traffic time 60mins
Next coat 2 hours

LiquiPAVE F



Filler component for balcony and walkway surfacing

Rainproof time 30mins
Traffic time 45mins
Next coat 2 hours

LiquiFINISH



Colour and seal coat

Rainproof time 30mins
Traffic time 45mins
Colours - Approx RAL 7030, 7031, 7043

110g Reinforcement Fleece



Reinforcement fleece for LiquiDEK, LiquiBALKON and LiquiDETAIL

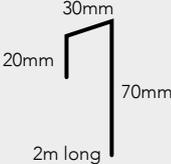
Roll length 50m
Roll widths 150, 262, 350, 525 & 1050mm

INSULATION

WARM AND INVERTED ROOFS

	SURFACE		AVAILABLE THICKNESS	DENSITY	THERMAL CONDUCTIVITY (Lambda Value)	COMPRESSIVE STRENGTH	COMPRESSIVE CREEP EN1606	BOARD SIZE
	TOP	BOTTOM						
PIR FA-TE Flatboard								
	Aluminium foil	Aluminium foil	30, 40, 50, 60, 80, 100, 120, 140, 160mm	Min 30kg/m ³	0.022W/mK	Minimum 0.12N/mm ²	0.024N/mm ²	1200mm x 600mm
PIR FA Flatboard								
	Black aluminium foil	Aluminium foil	Including moisture correction factor 60, 80, 100, 120, 140, 160mm	Min 30kg/m ³	0.022W/mK	Minimum 0.12N/mm ²	0.024N/mm ²	1200mm x 2400mm
PIR FA Tapered								
	Black aluminium foil	Black aluminium foil	30mm to 190mm	Min 30 Kg/m ³	0.022 W/mK	Minimum ≥ 0.12N/mm ²	0.024N/mm ²	1200mm x 1200mm
VIP								
	17mm high density BauderPIR	3mm rubber granulate mat	60mm (40mm core) 80mm (60mm core)	13 Kg/m ² 17 Kg/m ²	0.0072 W/mK vacuum core	0.12 N/mm ² min.	N/A	1000 x 1000mm 1000 x 500mm
			Core Vacuum silica encased by multi layer composite aluminium foil.					
ROCK (available in flatboard or tapered form)								
	300g/m ² glass fibre	Both sides	60, 85, 105, 115, 150, 170, 185mm 120, 150mm underlay boards	160Kg/m ³ approx	0.039 W/mK	N/A	N/A	1200mm x 1000mm
GLAS Flatboard								
	Varies	Varies	50 - 180mm	100Kg/m ³	0.036	0.5N/mm ²	N/A	Varies
JFRI (200 HP)								
	Unfaced	Unfaced	100 - 240mm	30Kg/m ³ approx	0.035 W/mK	Minimum 0.20N/mm ²	0.06N/mm ²	1215mm x 1215mm
JFRI (300)								
	Unfaced	Unfaced	100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 205, 210, 220, 225, 230, 240mm	JFRI (300) = 40 Kg/m ³	0.038 W/mK*	JFRI (300) = 0.30 N/mm ²	0.06N/mm ² x 0.09N/mm ²	1215mm x 1215mm
XPS GG (300)								
	Smooth self-finish	Smooth self-finish	30 - 140mm	Min 35 Kg/m ³	100 mm = 0.037W/mK* 101-120 mm = 0.036W/mK* >120mm = 0.038W/MK*	0.30 N/mm ²	0.06N/mm ²	600mm x 1250mm

ANCILLARY PRODUCTS

	FACING MATERIAL		DIMENSIONS	WEIGHT	COLOUR	SUPPLY FORM
	TOP	BOTTOM				
GRP Trim						
	N/A	N/A	A choice of profiles.  (type 2 shown here)	N/A	Black as standard	2.5m lengths
Termination Bar						
	N/A	N/A	 82mm total depth	N/A	Black GRP or aluminium	2.5m lengths
Lightning Conductor Clips						
	N/A	N/A	100mm x 100mm	N/A	<ul style="list-style-type: none"> • BITUMEN Charcoal grey or brown mineral, natural slate. • SINGLE PLY Pearl white, light grey, blue grey, anthracite 	For cold applied liquid systems use light grey or blue grey single ply lightning conductor clips. For PVC coated and uncoated conductor tape
Insulated Upright Support Bracket						
	N/A	N/A	 30mm 20mm 70mm 2m long	N/A	N/A	N/A
Single Ply Metal						
 Shown here in Thermoplan	THERMOPLAN					
	Laminated with Polyolefin FPO	N/A	1m long x 2m wide x 1.4mm thick	5kg/m ²	Silver grey or pearl white	N/A
THERMOFOL						
Laminated with Polyvinyl chloride PVC	N/A	1m long x 2m wide x 1.4mm thick	5kg/m ²	Light grey, blue grey or anthracite	N/A	

ROOFLIGHTS

Glazing to complement our flat roofs

Bauder can satisfy all your rooftop glazing requirements, from standard modular units to specialist structural glazing. For both new build and refurbishment projects your experienced area technical manager will be able to fully advise and guide you in the selection of suitable rooflights.

In refurbishment situations we will ensure that a survey is undertaken to establish the size and details of the existing glazing, along with the associated supporting kerb, to ensure that the new product proposed will provide a perfect replacement.

From the initial survey to the completed installation you are assured of the best technical support and advice.

Our rooflights are installed with a comprehensive guarantee to give total confidence and complete peace of mind.

All our roof glazing products are manufactured to comply with current Building Regulation and Health & Safety requirements and are fully compatible with our roof waterproofing systems.



The Euroglaze range of modular rooflights are certified by the BBA under certificate number 05/4279.

Bauder Euroglaze

The Bauder Euroglaze is a superior modular rooflight designed to provide high standards of illumination, insulation and ventilation to the interior of flat roofed buildings. All are fully compatible with our roof waterproofing systems and hold BBA certification.

These bespoke modular rooflights are made to suit the desired size with dimensions between 600 x 600mm up to 2400 x 1200mm.



Euroglaze rooflights can be made to fit any roof opening size

Glazing

The triple skinned polycarbonate, dome or pyramid profiled glazing can be supplied either completely clear, or with a diffused inner skin.

Fire Performance

Fire performance classifications for Bauder Euroglaze rooflights are as follows:

- BS476 Part 7 – Class 1
- Building Regulation classification - TPa. (Rigid). can be deemed as class O.

Upstand

Euroglaze is supplied with an integral PVC upstand, in brilliant white. The upstand profile is dependent on the particular application and rooflight specification.

Security Frame

Euroglaze features a brilliant white aluminium security frame to conceal all glazing fixings, thereby improving the security of the rooflight unit.

Thermal Performance

Euroglaze with its integral kerb and triple skin polycarbonate glazing achieves Ud Values as low as 1.6W/m²K.

Ventilation Options

Euroglaze is supplied as standard with closable 'hit and miss' vents in two sides, but additional vents can be supplied if required.

Hinged, wormgear opening rooflights and units with a power fan incorporated into the glazing are also available.

Access Hatches

Euroglaze Access Hatches are available for applications where both daylight and access to the roof is required.



BauderDOME

The BauderDOME standard range of modular rooflights are designed to provide a simple but effective solution to the requirement for daylight and ventilation to the interior of flat roofed buildings.

Available in a wide range of standard sizes, they offer a commercial alternative to the specifier on a limited budget whilst providing an excellent solution.



Glazing

The triple skinned polycarbonate, dome or pyramid profiled glazing can be supplied either completely clear, or with a diffused inner skin.

Upstand

The integral upstand of BauderDOME is manufactured in UPVC at a height of 237mm, to allow successful waterproofing. The profile of the upstand makes it easy to directly apply all kinds of our waterproofing membranes. Bitumen membranes, synthetic single ply membranes and cold applied liquid systems are all compatible.

Fire Performance

Fire performance classifications for BauderDOME are as follows:

- BS476 Part 7 – Class 1
- Building Regulation classification - TPa. (Rigid). Can be deemed as class O.

Thermal Performance

BauderDOME with its integral GRP kerb and triple skin glazing achieves a Ud value of 1.8W/m²K.

Ventilation Options

BauderDOME is supplied unvented as standard, but closable 'hit and miss' vents can be incorporated in 2 sides where required. Hinged, wormgear opening rooflights and units with a power fan incorporated into the glazing are also available.

Bauder Special Modular Rooflights

Bauder can satisfy any special modular rooflight requirements that may arise.



Circular rooflights

Circular units with thermally broken metal upstands and triple skinned polycarbonate dome shaped glazing are available up to 1800mm diameter. These are especially useful as replacements for existing glazing on roof refurbishment projects with circular apertures.

Glass rooflights

Glass glazed modular rooflights are available, incorporating the UPVC upstand that features in the Euroglaze range. As standard, the glass is a 31mm flat double glazed unit, comprising 6mm clear toughened outer leaf with low 'E' coating, 16mm argon filled cavity and 9.5mm clear laminated inner leaf. The glazing is set at an angle of 3° to aid rainwater run-off.

ROOFLIGHTS

Specialist glazing for our flat roofs

Continuous Rooflights

Continuous rooflights provide an excellent source of natural daylight for any new build or refurbishment project. Bauder continuous rooflights are triple glazed as standard and are available in a width of up to 2.4m.



The range for fast track procurement is available in the following formats:

- Thermo-formed Barrel Vaults
- Linked Pyramids
- Linked Domes

Bauder Continuous Rooflights are made of enhanced UV-protected polycarbonate with vented airspaces, meeting Part L criteria. The cascade water management system ensures that any moisture is drained to the outside of the structure and that air leakage satisfies Part L requirements.



Walk-On Rooflights

The Bauder Walk-On rooflight allows and supports foot traffic on roof terraces and gardens and ground floor areas over basement rooms whilst providing natural daylight to the rooms below.



The rooflight is set into the structure to allow adjacent decking or paving slabs to be set level and sit flush with the top face of the rooflight unit ensuring a smooth surface. Care must be taken in wet or icy conditions. Etched glass can offer additional safety.

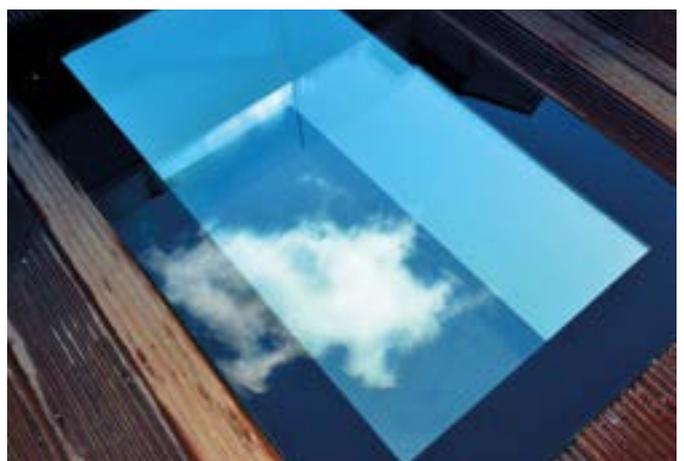
The double-glazed units are comprised of **30mm** clear toughened laminated outer pane, a **16mm** airspace and **9.5mm laminated** low E inner pane. The kerb is heavy duty folded aluminium which is thermally broken, and the standard finish is powder coated white, although other colours are possible. The glazing is available in rectangular, square or round shapes and is set to minimal fall to prevent water ponding

Bauder Walk-On rooflights are custom designed, detailed and manufactured for each individual application. Each rooflight is delivered fully assembled ready for installation on a prepared flat level roof opening.

Loading capacities

- Floor loading – 1.5 kN/m²
- Concentrated loading – 2.0 kN/m²

Note: Higher loadings can be catered for.



Modular Link Glazing

The Bauder Modular Link Glazing System is a panel glazing system suitable for both new build and refurbishment projects. The custom built, aluminium framed panels are designed and built for each individual building.



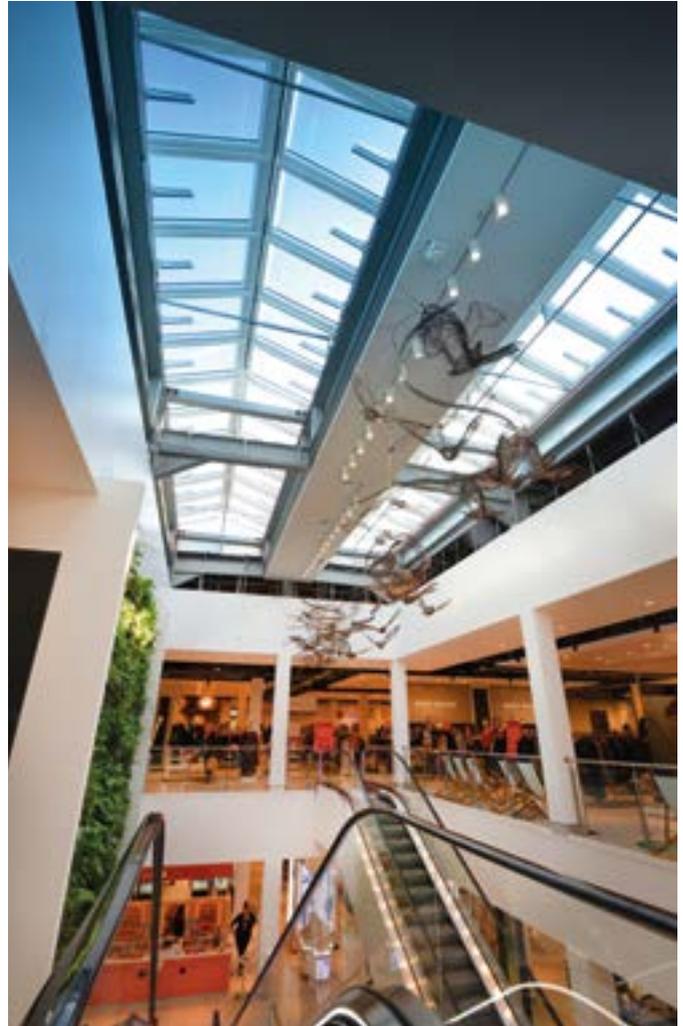
Bauder Modular Link Glazing is:

- Lightweight
- Impact resistant
- Thermally efficient
- Robust
- Easy to handle
- Fully assembled in the factory
- Available in opal, bronze and grey
- Available with a comprehensive guarantee

Bauder Modular Link Glazing can be installed at a minimum 10° pitch and can be used for northlights, patent glazing replacement and monopitch rooflights and on ridges and gutters. This versatility provides designers with new options to introduce natural light into building projects.

Structural Rooflights

Bespoke structural glazing installations allow designers and architects complete freedom when incorporating natural daylight to a roofing project.



Our range of structural glazing solutions offers an extensive choice of high quality material including polycarbonate, glass and the latest Nanogel® technology. Alongside this we incorporate in all our offerings;

- Cascade water management system
- Custom engineered connections
- Bespoke closing functionality
- Custom flashings
- Comprehensive warranty

There are a number of Bauder Structural Rooflights that can be utilised to fulfil the requirements of a roof refurbishment or enhance the design of a new build project.

- Mono-pitched
- Pitched polygon
- Self-supporting pyramid
- Ridge light
- Hipped-end
- Low-profiled barrel vault

AUTOMATIC OPENING VENTS

Smoke Vents

AOVs improve the conditions inside a building in the event of a fire by allowing hot air and smoke out, and allowing cool air to flow in.



This system is particularly effective in protecting occupants attempting to evacuate or awaiting rescue, as well as reducing the risk for firefighters.

AOV's form part of a building's fire protection system and will require the services of a specialist M&E contractor for correct operation. It is important to remember that an AOV is not an access hatch. It is a dedicated outlet for the removal of smoke from a building.

AOV's are particularly recommended in areas with low or no other ventilation outlets and high traffic routes such as single stair apartment blocks; vertical smoke shafts; common escape routes and enclosed car parks.

Bauder AOV's are:

- CE certified, tested to EN 12101-2.
- Glazed in glass, polycarbonate or a solid metal lid.
- Available in thermally broken insulated metal to achieve a U Value as low as 1.0 W/m²k.
- An uninsulated version suitable for unheated spaces, such as smoke shafts, is available.
- 140° opening.
- Can be powder coated to any RAL colour.

INSULATED RAINWATER OUTLETS

Maintaining thermal continuity at drainage points

Bauder Insulated Rainwater Outlets

Combining tradition and innovation has made our Bauder Insulated Outlets offer a solution to the problem of maintaining thermal continuity at drainage points.

Ideal for warm, cold and inverted roof construction. The BRE Certified high thermal value of the rigid foam body prevents condensation from forming on the underside of the outlet body.

Designed for use when connecting to conventional gravity drainage systems, Bauder Insulated Outlets offer excellent flow rate performance. Our range incorporates products suitable for both new build and refurbishment roof situations.

When specified within Bauder waterproofing systems as an integrated component, these products are included within our Bauder System Guarantee.

Key Characteristics

- High insulation value of the outlet reduces heat loss – BRE Certified.
- UV/IR radiation resistant
- Shock and impact proof
- Robust and durable
- Low noise drainage
- High drainage capacity
- Installation is fast, simple and very secure – utilising a thermally insulated housing unit.
- Allows plumbing connection at air and vapour control layer stage, thus providing initial weather proofing and drainage of the roof, whilst internal work commences.
- The design of the polyamide domical leaf grille ensures a free flow of water, whilst preventing leaves and debris from entering the drainage system.

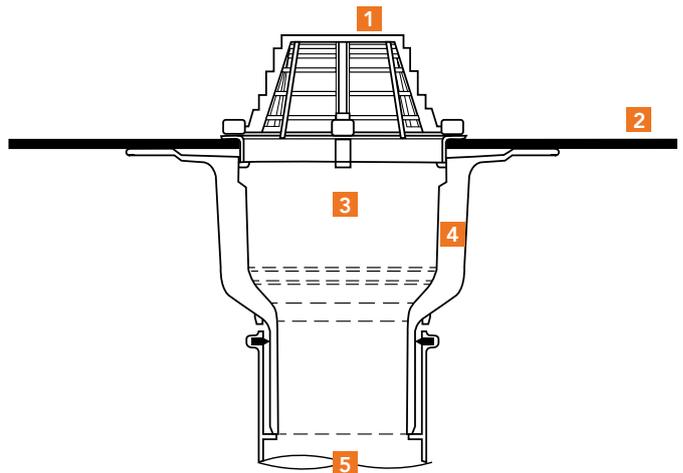
One of the benefits of using a two part outlet is that the first section, the outlet bowl can be installed to the deck, allowing the air and vapour control layer to be installed and the internal pipework connected. This provides waterproof integrity and allows internal work to commence.

Once the insulation is installed, the extension unit housing and extension unit can be fitted.

A special sealing ring inserted into the outlet bowl ensures total waterproof integrity with the extension unit spigot.

The underlayer membrane is installed and torch welded onto the extension unit's integral SBS bitumen membrane connection flange, followed by the installation of the capping sheet, ensuring complete security.

Once the insulation is installed, the second section, the extension piece can be fitted through the extension unit housing (and packer if required), and then the waterproofing can be installed. This avoids the need for isolation detailing around the outlet and assists with overall 'air tightness'.



1. Polyamide grille
2. Bituminous connection membrane
3. Integral sump bowl and spigot
4. Polyurethane rigid foam body
5. Spigot connection

OUTLETS – Bitumen Membrane Systems



Bauder Bitumen Compact Vertical Outlet DN 100
Supplied in 100mm (internal diameter) to suit 110mm internal pipework. These units have a good flow rate and will suit most deck types, but can also be used where the deck construction is shallower, due to the more compact bowl and shorter spigot. It should be used in conjunction with the extension unit and extension unit housing when specified within warm roof systems.

The outlet is supplied with a tough, but lightweight, polyamide domical leaf grille that permits free flow of water, whilst preventing leaf litter or other debris from entering the outlet. This push fit grille is easily removed to allow for maintenance. The domical leaf grille is supplied with the outlet and is used for the extension unit in warm roof constructions.



Bauder Bitumen Compact Extension Unit
The Bitumen Compact Extension Unit is available in spigot length 60mm-220mm to accommodate differing insulation thickness specified. These are always incorporated within warm roof system construction to maintain thermal integrity.



Bauder Extension Unit Housing
High density PIR housing to ensure correct seating of the extension unit. Can be used in conjunction with Bauder flatboard insulation to create the correct sump depth or ensure the level position of the extension unit to the waterproofing system.

OUTLETS – Bitumen Membrane Systems



Bauder Bitumen Vertical Outlet DN 70 & 150

Available in both 70mm and 150mm (internal diameter) to suit 75mm and 160mm internal pipework respectively. These outlets have excellent flow rates and will suit most deck types, but are particularly suited for deeper deck constructions such as concrete (particularly within green roof systems), due to the deeper bowl and spigot length. The 70mm outlet can be used in conjunction with a Bauder Blue Roof. The outlet should be used in conjunction with the extension unit and extension unit housing when specified within warm roof systems.

The outlet is supplied with a tough, but lightweight, polyamide domical leaf grille that permits free flow of water, whilst preventing leaf litter or other debris from entering the outlet. This push fit grille is easily removed to allow for maintenance. The domical leaf grille is supplied with the outlet and is used for the extension unit in warm roof constructions.



Bauder Bitumen Extension Unit

The Extension Unit is available in spigot length 60mm-220mm to accommodate differing insulation thickness specified. These are always incorporated within warm roof system construction to maintain thermal integrity.



Bauder Extension Unit Housing

High density PIR housing to ensure correct seating of the extension unit. Can be used in conjunction with Bauder flatboard insulation to create the correct sump depth or ensure the level position of the extension unit to the waterproofing system.

OUTLETS – Bitumen Membrane Systems



Bauder Bitumen Refurbishment Warm Roof Outlet DN 63 & 90

Available in both 63mm and 90mm spigot sizes. The 63mm spigot, when fitted with the special 'push fit' seal, will accommodate internal diameters ranging from 68mm–86mm and is designed to fit inside existing 75 mm pipework or within existing 75mm (3") outlets.

The 90mm spigot when fitted with the special 'push fit' seal, will accommodate internal diameters ranging from 98mm-107mm and is designed to fit inside existing 100 mm pipework or within existing 100mm (4") outlets.

These outlets are designed to be used within a replacement roof system incorporating insulation (warm roof) when overlaying existing waterproofing, either connecting to existing pipework or through existing outlets where these cannot be removed and the nominal bore is suitable.

When retaining the existing outlet, it is important that the waterproof seal on the end of the outlet spigot of the Bauder Refurbishment Warm Roof Outlet passes beyond the existing outlet and seals to the pipework below it. The length of spigot required to achieve this should be determined and then the spigot cut to the required length.



Bauder Refurbishment Warm Roof Outlet Housing Unit 63 & 90

High density PIR housing to ensure correct seating of the Warm Roof refurbishment outlet.

Can be used in conjunction with Bauder flatboard insulation to create the correct sump depth or ensure the level position of the outlet to the waterproofing system.

OUTLETS – Bitumen Membrane Systems



DN 95



DN 125

Bauder Bitumen Refurbishment Outlet DN 95 & 125

Available in both 95mm and 125mm spigot sizes. 95mm outlet: There are two flexible seals supplied with the outlet. The smaller seal (lip seal) to fit pipework 100-110mm and the larger seal (profiled seal) to fit pipework 107-140mm. There is no reason to use both seals, so discard the seal that is not required.

125mm outlet: There are two flexible seals supplied with the outlet. The smaller seal (lip seal) to fit pipework 134-144mm and the larger seal (profiled seal) to fit pipework 140-168mm. There is no reason to use both seals, so discard the seal that is not required.

When retaining the existing outlet, it is important that the waterproof seal on the end of the outlet spigot of the Bauder Refurbishment Outlet passes beyond the existing outlet and seals to the pipework below it. The length of spigot required to achieve this should be determined and then the spigot cut to the required length.

Connection to Pipework

Our vertical spigot outlets are suitable for connection to:

- Socketed and socket-less cast iron pipework to BS416:1973 and EN 887. Please note that socketed pipework will require cold caulking or the use of PVC to cast iron adapters.
- HDPE pipes with appropriate proprietary coupling.
- PVC 'O' ring socketed soil grade pipework to BS 4514:1983. Connection can be made directly or using shrink adapters where required.

OUTLETS – Bitumen Membrane Systems



Bauder Bitumen Parapet Outlet DN 100

A thermally insulated rainwater outlet with horizontal spigot and pre-assembled polyethylene pipe designed for use when connecting to external gravity drainage systems as a through chute to external drainage via externally connected pipework or otherwise to a hopper head and downpipe.

A flexible vapour barrier seal component is used as part of the waterproofing installation when a warm roof design is specified, where insulation is incorporated on the vertical abutment.

Vertical Insulation 100 mm plus: Formation of a timber frame is unnecessary. However, a flexible vapour barrier component must be used to seal the pipe entry where it passes through the parapet wall or kerb.

The reason for the different method of detailing is due to the need to accommodate the outlet spigot and connected pipe socket.

OUTLET SELECTOR – Bitumen Membranes

Product Selector	Bitumen Compact Vertical Outlet DN 100	Bitumen Vertical Outlet DN 70 & 150	Bitumen Warm Roof Refurbishment Outlet DN 63 & 90	Bitumen Refurbishment Outlet DN 95 & 125	Bitumen Parapet Outlet DN 100
Bitumen connection flange	■	■	■	■	■
Insulated Extension Unit available	■	■			
Extension housing unit available	■	■	■		
Suitable for internal drainage	■	■	■	■	
Suitable for external drainage					■
Suitable for new build	■	■			■
Suitable as a replacement outlet	■	■			
Suitable for retrofit installation			■	■	
Suitable for shallow deck construction	■		■	■	
Suitable for deeper deck construction		■	■		
Suitable for long leg leaf guard	■	■			
Suitable for short leg leaf guard			■		

Outlet Flow Rate Performance

Drainage Flow Rate	
Compact Vertical Outlet DN 100	6.1 litres/sec
Bitumen Vertical Outlet DN 70	7.1 litres/sec
Bitumen Vertical Outlet DN 150	7.2 litres/sec
Parapet Outlet DN 100	0.7 litres/sec
Warm Roof Refurbishment Outlet DN 63	6.1 litres/sec
Warm Roof Refurbishment Outlet DN 90	5.7 litres/sec
Cold Roof Refurbishment Outlet DN 95	4.0 litres/sec
Cold Roof Refurbishment Outlet DN 125	6.0 litres/sec

*Above figures based upon a 35mm head of water pressure – according to BS EN 12056-3:2000. The shape of the bowl affects the flow rate performance; however the flow rate increases as the head of water increases. For project specific drainage advice and/or calculations please contact your local area technical manager.

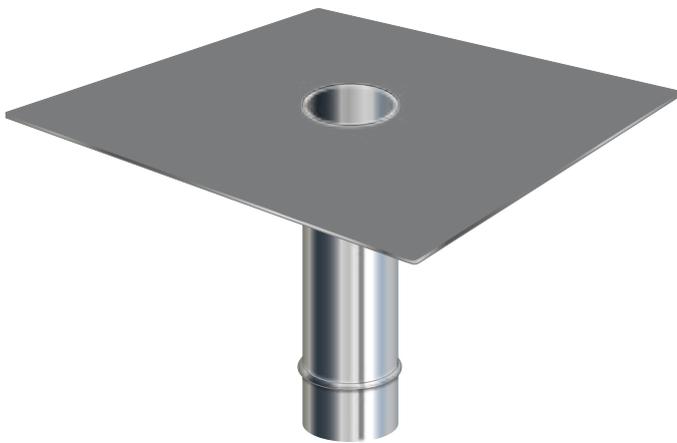
OUTLETS - PVC Single Ply Systems



Bauder outlets are sized to show the diameter of the spigot they will connect into. For information on non-standard sizes and refurbishment applications, please contact Bauder Technical Department.

Bauder Thermofol Rigid PVC Rainwater Outlets

A rigid PVC rainwater outlet enabling Thermofol membrane to be welded to the flange plate. UV stable throughout. The unbacked Thermofol membrane should be heat welded up to the aperture to ensure colour consistency on the roof.



Bauder Thermofol Stainless Steel Rainwater Outlets

A high performance stainless steel outlet with factory installed Thermofol membrane flange. Supplied with an O-ring and a wire ball leaf grill.



Bauder Thermofol Rigid PVC Parapet Outlet

A 110mm rigid PVC parapet rainwater outlet enabling Thermofol membrane to be welded to the flange plate. UV stable throughout. The unbacked Thermofol membrane should be heat welded up to the aperture to ensure colour consistency on the roof.



Bauder Thermofol Emergency Overflow Outlet

An extruded PVC emergency overflow outlet compatible with Thermofol membrane. 50mm diameter through wall overflow outlet manufactured in light grey colour.



Bauder outlets are sized to show the diameter of the spigot they will connect into. For information on non-standard sizes and refurbishment applications, please contact Bauder Technical Department.

Bauder Thermoplan Rigid FPO Rainwater Outlets

A rigid FPO rainwater outlet enabling Thermoplan membrane to be welded to the flange plate. UV stable throughout. The unbacked Thermoplan membrane should be heat welded up to the aperture to ensure colour consistency on the roof.



Bauder Thermoplan Rigid FPO Parapet Outlet

A 90mm diameter rigid FPO parapet rainwater outlet enabling Thermoplan membrane to be welded to the flange plate. UV stable throughout. The unbacked Thermoplan membrane should be heat welded up to the aperture to ensure colour consistency on the roof.



Bauder Thermoplan Emergency Overflow Outlet

An extruded FPO emergency overflow outlet compatible with Thermoplan membrane. 63mm diameter through wall overflow outlet manufactured in pearl white colour.



Bauder Leaf Guard for Rigid PVC & FPO Vertical Outlets

A universal leaf guard compatible with Thermofol and Thermoplan rainwater outlets for preventing debris blocking the outlet. A straight forward ratchet system enables quick and tool free removal of the guard. For outlet spigot dimensions ranging from 60mm to 220mm. Grip Range Depth: 80mm – 105mm

OUTLETS - Hot Melt System



Bauder Hot Melt Compact – Vertical Outlet DN100

A thermally insulated rainwater outlet with vertical spigot designed for use when connecting to conventional gravity drainage systems, giving thermal continuity and excellent flow rate performance.

The integrated screw down clamping ring and neoprene gasket ensures a mechanical hold between the waterproofing system and the outlet.

A tough, but lightweight, polyamide domical leaf grille permits free flow of water, whilst preventing leaf litter or other debris from entering the outlet. This push fit grille is easily removed to allow for maintenance.



Bauder Hot Melt Blue Roof Vertical Outlet DN70

A thermally insulated rainwater outlet with vertical spigot designed for use when connecting to conventional gravity drainage systems, giving thermal continuity and excellent flow rate performance.

The integrated screw down clamping ring and neoprene gasket ensures a mechanical hold between the waterproofing system and the outlet. A tough, but lightweight, polyamide domical leaf grille permits free flow of water, whilst preventing leaf litter or other debris from entering the outlet. This push fit grille is easily removed to allow for maintenance. The spigot is designed to fit standard 75mm pipework.

For use in conjunction with the Bauder Hot Melt Blue Roof Flow Restrictor.

BLUE ROOF FLOW RESTRICTORS



Bauder Bitumen Blue Roof Flow Restrictor

The Bauder Bitumen Blue Roof Flow Restrictor is designed to be used in conjunction with a standard Bauder Bitumen Blue Roof Vertical Outlet DN70. The Bauder Blue Roof Bitumen Flow Restrictor is comprised of four parts; Baseplate, overflow pipe, Baseplate inner and Baseplate outer seal. The polyamide Baseplate fits within the 70mm vertical outlet, with the EPDM outer seal creating a watertight fit. The HDPE Overflow slots into the central hole of the Baseplate with an inner EPDM seal preventing any leaks.

Baseplate has a number (1-12) of 10mm restrictive flow holes bespoke to the project.



Bauder Hot Melt Blue Roof Flow Restrictor

The Bauder Hot Melt Blue Roof Flow Restrictor is designed to be used in conjunction with a Bauder Hot Melt Compact Vertical Outlet DN70. The Bauder Hot Melt Blue Roof Flow Restrictor is comprised of four parts; Baseplate, Overflow pipe, inner and outer seal. The polyamide Baseplate fits within the 70mm vertical outlet, with the EPDM outer seal creating a watertight fit. The HDPE Overflow slots into the central hole of the Baseplate with an inner EPDM seal preventing any leaks.

The Baseplate has a number (1-12) of 10mm restrictive flow holes bespoke to the project.

PRIMERS



Bauder Activator-Primer

This synthetic rubber resin-based non-flammable material has been specifically developed to provide the necessary preparation of substrates and underlayers prior to the installation of both Self-Adhesive and Torch- Applied bitumen membranes



Bauder Quick Dry Bitumen Primer

A bitumen based primer which has been specially formulated to increase the bond strength of torch-applied bitumen or hot melt membranes to the wide range of substrates that can be found on a typical flat roof.



Bauder Polymer Primer

A synthetic rubber based primer designed specifically to enhance the adhesion of Bauder Hot Melt Waterproofing to difficult surfaces and speed up the total time of installation due to its quick drying time

ADHESIVES

SINGLE PLY MEMBRANE ADHESIVES



Thermofol Contact Adhesive - Drum (red)
Suitable for the adhesion of non fleece backed PVC membranes onto a number of different substrates. It is NOT suitable for use with EPS, XPS and un-faced PIR insulation boards.



Fleece-Backed Membrane Adhesive - Drum (blue)
For bonding both Thermofol PVC fleece backed membranes and Thermoplan FPO Fleece Backed Membranes to a variety of approved substrates.



Spray Contact Adhesive - Canister (green)
Two layer spray applied adhesive for installing Thermofol Fleece-Backed membrane and all Thermoplan FPO membranes to a variety of substrates.



PU Fleece-Backed Membrane Adhesive - Canister (pink)
Single layer spray applied adhesive for installing Fleece-Backed membranes to a variety of substrates.

ADHESIVES

Bauder PU Insulation Adhesive - Tin
Solvent-free, one component, moisture curing, foaming insulation adhesive for securely bonding insulation boards to various air and vapour control layers and roof substrates. **Not suitable for foil to foil applications.**



Bauder PU Insulation Adhesive - Twin Cartridge
Solvent-free, two component, chemically curing insulation adhesive suitable for securely bonding BauderROCK, BauderGLAS and Foil-faced, insulation boards to various air and vapour control layers and roof substrates, and foil-to-foil applications.



Bauder Foil Contact Adhesive (yellow)
This synthetic rubber resin-based material has been specifically developed to provide the necessary preparation of foil substrates prior to the installation of foil faced insulation or suitable foil faced membranes.

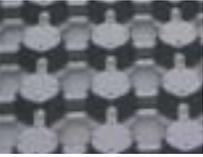
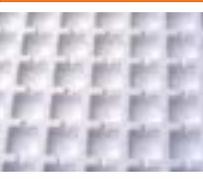


GREEN ROOF COMPONENTS

SEPARATION, PROTECTION AND FILTRATION LAYERS

	THICKNESS (NOMINAL)	COVERAGE	WEIGHT (NOMINAL)	SATURATED WEIGHT	ROLL SIZE
Foil Separation Layer					
	0.2mm	200m ² per roll	190 g/m ²	190 g/m ²	4x50m (folded to 1m width)
FSM600 Protection Mat					
	4mm	60m ²	600 g/m ²	600 g/m ²	2x30m
FSM1100 Protection Mat					
	8mm	30m ²	1.1 kg/m ²	1.1 kg/m ²	2x15m
Pro-Mat Protection Mat					
	6mm	12.5m ²	4.3 kg/m ²	4.3 kg/m ²	1.25x10m
Eco-Mat Protection Fleece					
	6mm	60m ²	600 g/m ²	3.8 g/m ²	2x30m
Filter Fleece					
	1 mm	100/200m ²	125 g/m ²	125 g/m ²	1x100m 2x100m

DRAINAGE AND WATER RETENTION LAYERS

	COMPRESSIVE STRENGTH	THICKNESS (NOMINAL)	COVERAGE	WEIGHT (NOMINAL)	SATURATED WEIGHT	WATER STORAGE CAPACITY	SIZE
SDF Mat							
	20 kN/m ²	20mm	50m ²	0.6kg/m ²	0.6kg/m ²	0	1x50m
DSE20							
	110 kN/m ² when unfilled ≥ 1000 kN/m ² when filled	20mm	2.5m ²	1.2kg/m ²	8.6kg/m ² when laid flat. 19.7kg/m ² when filled with Bauder Mineral Drain.	7.4 litres/m ²	1.06x2.36m
DSE40							
	80 kN/m ² when unfilled ≥ 1000 kN/m ² when filled	40mm	2.1m ²	1.8kg/m ²	15.3 kg/m ² 26.5 kg/m ² when filled with Bauder mineral drain	13.5 litres/m ² when flat Approx 3-4 litres/m ² when filled with Bauder Mineral Drain	1.04x2.03m
DSE60							
	100 kN/m ² when unfilled. ≥ 1000 kN/m ² when filled	60 mm	2m ²	2.0kg/m ²	40kg/m ² when filled with Bauder saturated mineral drain	10-12 litres/m ² when filled with Mineral Drain	1x2m
Versicell 20							
	≥1,000 kN/m ²	20mm	0.25m ²	2kg/m ²	2kg/m ²	0	500x500mm
Reservoir Board							
	35 kN/m ²	75mm	1m ²	0.95kg/m ²	0.95kg/m ²	21.5 litres/m ²	0.780x1.283 m boards
		50mm		0.65kg/m ²	0.65kg/m ²	10 litres/m ²	
PLT10							
	400 kN/m ²	10mm	25m ²	0.75kg/m ²	0.75kg/m ²	0	2x12.5m
Attenuation Cell 100						WATER HOLDING CAPACITY	
	≥400 kN/m ²	100mm	0.36m ²	2.9kg/m ²	2.9kg/m ²	95 litres/m ² (95% void space)	0.6 x 0.6m

GREEN ROOF COMPONENTS

SUBSTRATES

	SUPPLY FORM	COVERAGE	SATURATED WEIGHT	WATER STORAGE CAPACITY
Mineral Drain				
	Big bags or sacks	N/A	1500 kg/m ³	N/A
Extensive Substrate				
	Silo, tipper, big bags or sacks	Dependent on depth required for specification	1200 kg/m ³	35% Vol
Biodiverse Substrate				
	Silo, tipper, big bags or sacks	Dependent on depth required for specification	1200 kg/m ³	35% Vol
Intensive Substrate				
	Tipper, big bags or sacks	Dependent on depth required for specification	1250 kg/m ³	45% Vol
Seed Bed Substrate				
	Tipper, big bags or sacks	Dependent on depth required for specification	1250 kg/m ³	45% Vol

VEGETATION

	SUPPLY FORM	THICKNESS (NOMINAL)	COVERAGE	SATURATED WEIGHT	SIZE
XF301 Sedum System					
	Roll	28mm	2m ² as standard	44 kg/m ²	2x1m (non standard lengths up to 10m, cut in increments of 1m)
WB Native Wildflower Blanket					
	Roll	30 - 35mm	2m ²	≤ 30 kg/m ²	1x2m
SB Substrate Sedum Mat					
	Roll	20mm	2.4m ²	≤ 24 kg/m ²	1x2.4m
Plug Plants					
	Maximum of 60 trays per pallet	N/A	Refer to specification	Approx 5 kg per tray	4cm sedum plugs. 104 per tray 5-6cm perennial plugs. 54 per tray

Bauder Flora Seed Mixes

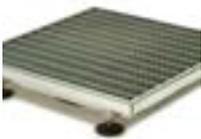
	NAME	LOCATION	DESCRIPTION	NUMBER OF SPECIES	WILD FLOWERS	ANNUALS	SEDGE & GRASSES	SEDUM	COVERAGE	RHS PERFECT FOR POLLONATORS	LAVAL FOOD
 <ul style="list-style-type: none"> • These mixes can be used as a mix on their own, or combined with Bauder British native plugs or other mixes to give a wider vegetation selection. • All the mixes are sown at the same rate (100g/m²) and applied in the same way. • Bauder are member of Flora Locale. All the wildflower seed comes from Flora Locale certified collectors allowing us to use their kit mark.  <ul style="list-style-type: none"> • The mixes are also RHS approved Perfect for Pollonaters allowing the 'Bee' logo to be displayed.  <ul style="list-style-type: none"> • The installation is covered in the Bauder Green Roof Installation guide. 	Bauder Flora 3	General (BioSOLAR)	A broad mix of low growing and some shade tolerant species ideal, for most roof environment. It is also the mix Bauder recommend for BioSOLAR installations	49	31 (65%)	8 (20%)	8 (15%)	2	100g per m ²	35	12
	Bauder Flora 5	Urban	A mix of species ideal for city environments. The plants chosen are able to absorb pollution and CO2 and give a suitable environment for insects and invertibates	38	28 (80%)	6 (10%)	2 (10%)	2	100g per m ²	34	9
	Bauder Flora 7	Chalk Grassland	The mix contains many of the key wild flower species found on the Downs and other Chalk Grassland.	28	23 (85%)	None	5 (15%)	0	100g per m ²	22	11
	Bauder Flora 9	Coastal	The species mix reflects the harsh environment found around Britains coastline, it contains species hat are able to copy with higher winds and a more saline environment.	24	14 (75%)	3 (10%)	4 (15%)	3	100g per m ²	20	8
	Bauder Flora 11	Scottish	This mix contains a range common, Scottish green roof species. All the seeds are certified to be of Scottish providence. It enable Scottish sites to have truly native vegetation	33	26 (75%)	3 (15%)	2 (10%)	2	100g per m ²	29	6

GREEN ROOF COMPONENTS

ACCESSORIES

		SUPPLY FORM	DIMENSIONS
AL40 Sedum Blanket Edge Trim for XF301			
	Perforated edge/drainage trim for Bauder XF301 sedum system	10 lengths per box including connectors	40mm (H) x 73mm (W) x 2000mm (L)
AL80/100			
	Perforated edge/drainage trim for use with sedum blankets or substrate based extensive green roof system	Individual lengths ordered as required	80mm (H) x 100mm (W) x 2500mm (L)
AL150			
	Perforated edge/drainage trim and connector for substrate base extensive green roof systems	Individual lengths ordered as required	150mm (H) x 146mm (W) x 2500mm (L)
	Connector		
Sedum Blanket Retention Strip			
	Mechanical retention strip supplied with protective plastic cover	24 per box	22mm (H) x 100mm (W) x 800mm (L)
Inspection Chamber ALU250			
	1.5mm perforated aluminium sheet with opening lid. Silver grey RAL 9006	Individual Units	250mm x 250mm height 100mm with support flanges 350mm x 450mm
Height Adaptor for ALU250			
	100mm height adaptor - added as necessary to achieve the desired height. Silver grey RAL 9006	Individual Units	250mm x 250mm height 100mm
Height Adaptor for ALU250			
	50mm height adaptor - added as necessary to achieve the desired height. Silver grey RAL 9006	Individual Units	250mm x 250mm height 50mm

ACCESSORIES

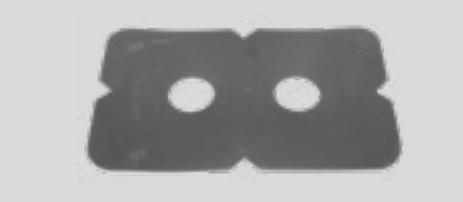
		DIMENSIONS
Linear Drain MR 150/60 (Drain Channel and Grille Plate Only)		
	Stainless steel channel drainage system used around door thresholds and changes in landscape finish.	60mm (H) x 150mm (W) x 1000mm (L)
Linear Drain KH50 Adjustable Support Legs		
	Height adjustable support legs, Supplied as two pairs	Adjustable to 75mm - 120mm
Linear Drain Rainwater Outlet Access Cover		
	Available in two sizes	GA250 60 - 90mm (H) x 250mm (W) x 250mm (L)
		GA400 60 - 90mm (H) x 400mm (W) x 400mm (L)
Linear Drain Channel Connection Clip		
	Bauder channel connection clips	Thickness 1mm
Linear Drain Channel Stop End		
	Bauder channel stop end	Thickness 1mm

SOLAR PV

BAUDERSOLAR

BauderSOLAR is a flat roof PV mounting solution for framed solar modules. The mounting units are secured to the roof using a unique membrane-to-membrane welding technique. This installation method means that the roof is not compromised by penetrations for fixings nor is it ballasted, which would add additional weight loading to the roof.

BauderSOLAR is specifically designed to be installed on Bauder bituminous or single ply waterproofing systems and provide a lightweight, low risk and quick to install mounting solution for framed solar modules manufactured by our module partners.

	PRODUCT NAME	QUANTITY	DESCRIPTION
	Mounting Unit	1 Pcs.	Substructure with integrated module clamps (Polypropylene PP)
	Baseplate	Subject to design	Receivers for the bayonet twist lock fitting (Polyamide PA6-GF30)
	Membrane Sleeve	Subject to design	Roof mounting for welding to the roof (Bitumen, PVC or FPO roof membrane)
	Bayonet Cap	2 Pcs.	Twist lock for locking to the base plate (Polyamide PA6-GF30)
	Locking Pin	4 Pcs.	Module securing device with two snap-in hooks below (Polypropylene PP)

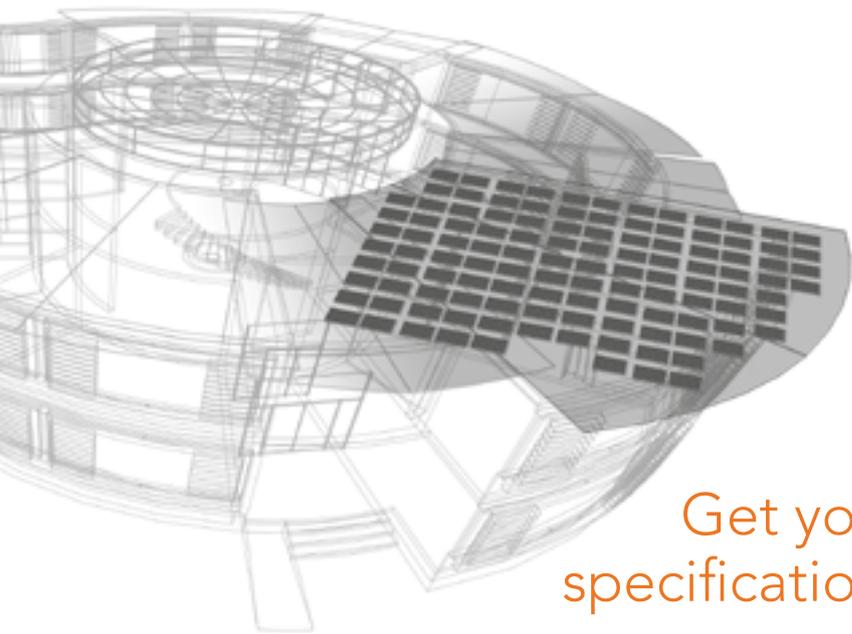
BAUDER BIOSOLAR PV MOUNTING SYSTEM

Bauder BioSOLAR is designed for applications where both a green roof and solar PV solution are required to meet planning and/or BREEAM requirements. The green roof substrate and vegetation provide the ballast mechanism for the entire solution which removes the need for penetrating the waterproofing to secure the units to the roof and maximises the available area for the plants.

Bauder Biosolar should be used in conjunction with our BauderSOLAR Flora 3 seed mix which contains both drought and shade tolerant herb and wildflower species and is suitable for roofs with a fall of up to 3°.



	PRODUCT NAME	DESCRIPTION
	Anchor Board 2m x 1m	Profiled substructure for containing substrate and mounting BioSolar angle bracket.
	Quick Fix Angle Bracket 164cm x 5cm x 5cm	Aluminium angle bracket for mounting module rail.
	Module Carrier Rail 6m x 4.5cm x 4.5cm	Aluminium profiled rail for mounting framed modules.
	Screw M8 x 55A2	55mm fixing screw for Quick-Fix angle bracket. 6mm Hex bit required
	Screw M8 x 20 A2	20mm fixing screw for module rail to angle bracket. TX40 bit required.
	Middle Clamp	Clamp for fixing modules within the row.
	End Clamp	Clamp for fixing modules at the end of a row.
	Sealing Cap	Plastic cap to protect cut ends of module carrier rail.
	Profile Connector	Aluminium profile to connect lengths of module rail over 6m in length.



Get your specification right



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Online technical resources for your flat roof project

At Bauder our service is free to you and covers all elements for a successful project delivery from initial concept or site survey, through to specification package with bespoke drawings and calculations, on site monitoring and final sign-off and handover.

We appreciate that there are times when you need resources to get your project started and the Bauder Online Technical Centre will support you.

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Disclaimer:

The photographs on page 146 is only an example image of a balcony that Bauder Ltd delivers to clients and it should not be considered that Bauder Ltd delivered this specific projects.



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