

ATLANTIC PRODUCT DATA

All Bailey Atlantic membranes are 2.0mm thick. With the exception of Grade 100 all membranes are reinforced with an inorganic glass fibre mat.

Grade		Colour	Width (mm)
Atlantic 101	Non-reinforced for pipe flashings and corners	Grey	525
	Non-reinforced for pipe flashings and corners	Green	525
	Non-reinforced for pipe flashings and corners	Red	525
Atlantic 301	Reinforced	Grey	250,350,525,750,1050,1500,2100
	Reinforced	Green	250,350,525,750,1050,1500,2100
	Reinforced	Red	250,350,525,750,1050,1500,2100
Atlantic 401	Fleece backed and reinforced	Grey	525,1050,2100
	Fleece backed and reinforced	Green	525,1050,2100
	Fleece backed and reinforced	Red	525,1050,2100

Technical data

Application		Atlantic 300	Atlantic 400 (fleece backed)
Loose laid under gravel		Yes	Yes
Loose laid, mechanically fixed		Yes	Yes
Strip bonding		No	Yes
Full surface bonding		No	Yes
DIN specification		Material flexible polyolefines (FPO)	Material flexible polyolefines (FPO)
Composition		Central glass mat	Central glass mat with non-woven polyester backing
Thickness (mm)		2.0	3.0
Width (mm)		250,350,525,750,1050,1500,2100	525,1050,2100
Length (m)		20	20
Density	DIN 53 479	Approx 1g per cm	Approx 1g per cm
Fire rating	BS 476: Part 3: 1958	AC with plywood or insulation AA when used with slabs or ballast	
Tear resistance	DIN 53 455	Lengthwise >8.0N per mm	Lengthwise >8.0N per mm
		Across >7.0N per mm	Across >7.0N per mm
Maximum tensile strength	DIN 53 354	>1000N per 50mm	
Elongation at tear	DIN 53 455	>500%	
Maximum tensile elongation	DIN 53 354	>50%	
Deformation owing to heat	DIN 53 377	<3%	
Cold temperature flexibility	DIN 53 361	-40C	
Perforation	DIN 16 726	>750mm	
Slot pressure resistance	DIN 16 726	Withstands 72 hrs, 12 bar	Withstands 72 hrs, 12 bar
Water vapour diffusion resistance factor	DIN 16	Approx 90,000	
Resistance to rooting (FLL factor)		Resistant	
Joint factor	DIN 16 726	1	
Colour		Grey, green and red (other colours on request)	Grey, green and red (other colours on request)

Specification guidance

Bailey will provide technical assistance and will prepare specifications for both new and existing buildings. Below are some typical specification clauses which can be incorporated into NBS format documents.

NBS format specification notes (Section J42)

110	WARM DECK ROOF COVERING BAILEY ATLANTIC ROOFING FOR FLAT ROOF TO
	Drawing reference(s)
	Vapour control layer	Bailey fire resistant polythene 500 gauge
	Insulation	Bailey fire resistant CFC and HCFC free insulation board to BS 476 Part 6 Class 0 and less than 5% obscuration to BS 5111
	Thickness
	Attachment	Mechanical fixing
	Waterproof membrane	Bailey Atlantic Grade
	Manufacturer	Bailey Roofing Systems, Victoria Gardens, Victoria Industrial Estate, Burgess Hill, West Sussex, RH15 9NB Telephone 01444 244330
	Thickness	Minimum 2.0mm
	Colour	Grey / red / green
	Finish	Self finished, ultra violet resistant without further surface preparation
	Attachment	See clauses 260 and 510
	Damage resistance	Resistant to penetration by sharp objects, following trades and hail
	Cold temperature flexibility	Membrane to remain flexible to -40C
	Chemical resistance	Membrane to be rot proof and resistant to atmospheric pollution
	Vegetation resistance	Membrane to be resistant to plant root penetration
	Installation	Entire roof to be installed according to manufacturer's instructions and by a subcontractor selected from the list of subcontractors recommended by Bailey. Roofing membrane to be installed using hot air at maximum 500-600C with no use of naked flames or production of harmful fumes
	Sustainability	Roofing membrane to be inert and produce no HCFCs or chlorides during production or installation. Membrane to be totally recyclable at any stage in its life and remain re-weldable for its entire life
550	WELDING JOINTS	Lap side and end laps not less than 50mm ensuring water will drain over and not into them. Seal all sides and end joint by welding with hot air at 500C to 600C and rolling. Test the joint after welding by drawing a metal probe along the seam edge. Make good any defective welds. Seal outlets and flood roof to a depth of 100mm to test integrity of waterproofing