Conformity Data Sheet	ST 868 UK
PRODUCT **Halley P 3 mm**	ISSUED UK 03-05/16 CE

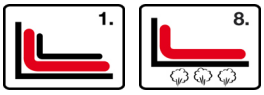
GENERAL MEMBRANE

TECHNICAL CHARACTERISTICS

CHARACTERISTIC	TEST METHOD	UNITS	NOMINAL VALUES	TOLERANCES
Visible defects	EN 1850-1	visible	Without defects	
Length	EN 1848-1	m	10,00 -1%	MLV
Width	EN 1848-1	m	1,000 -1%	MLV
Straightness	EN 1848-1	mm	20 mm x 10 m	Pass
Thickness	EN 1849-1	mm	3	± 0,2
Watertightness (A)	EN 1928	kPa	60	MLV
External fire performance	EN 13501-5	Class	F Roof	NPD
Reaction to fire	EN 13501-1	Class	E	Pass
Shear resistence longitudinal / transversal	12317-1	N/50 mm	600 / 450	± 20%
Water vapour transmission proprietis Method A	EN 1931	μ / Sd (m)	100.000 / 300	-20000
Tensile Strenght Longitudinal / Transversal	EN 12311-1	N/50 mm	600 / 500	± 20%
Elongation at break Longitudinal / Transversal	EN 12311-1	%	35 / 35	- 15 absolut
Resistance to impact	EN 12691	mm	700	MLV
Resistance to static loading Method A	EN 12730	Kg	15	MLV
Resistance to tearing (nail shank)	EN 12310-1	N	170 / 170	- 30%
Dimensional stability Longitudinal / Transversal	EN 1107-1 met. A	%	± 0,3 %	MLV
Flexibility al low temperature	EN 1109	°C	-25	MLV
Flow resistance at elevated temperature	EN 1110	°C	100	MLV
Water vapour transmission proprieties after exposure to artificial ageing	EN 1296 / EN 1931	μ / Sd (m)	100.000 / 300	± 50%
Water vapour transmission proprietis against chemicals	EN 1847 / EN 1931	μ / Sd (m)	100.000 / 300	± 50%
Self Adhesion properties	ASTM D1000	N/10 mm	20	-5

FURTHER INFORMATION

Notification code	1381 only for EN 13707
Certificate number	1381-CPR-381 only for EN 13707
Reference norme	EN 13707 / EN 13970
Reinforcement	Polyester non-woven reinforced with glassfibre
Compound	Internal: bitumen modified with SBS self adhesive External: bitumen modified with APP
Surface Finishing	External side: film PE - silicon film (only overlap) Internal side: silicon film
Application method	For internal side: Lay down the membrane by removing the protective silicon film, roll the overlaps with the apposite roller. If is necessary dry the upside part of the joint area with hot hair
Field of application	Bitumen water vapour control layer Underlayer and intermediate layer For a correct use of the products, please refer to the technical documents issued by the manufacturer. If any law, norm or regulation different from what declared by the manufacturer is in force in the country where the product must be installed, it must be considered as compulsory by the applicator. It is his own responsibility to follow the suitable legislative references.



Legenda:

1 - Reinforced bituminous membranes for the roofing waterproofing - Low and middle layers
8a - Bituminous layers for the vapour check - Vapour schields

In terms of the Italian Ministerial Decree n° 65 of 14th March 2003, which sets out 'Classification, labelling and packaging of dangerous preparations in execution of the Directives issued by the Council and by the Commission of the European Community' the product does not contain dangerous elements. In according with the norm EN 13707 (October 2004) the water vapour transmission factor μ can be taken as >20.000.
All membranes made by GENERAL MEMBRANE SpA are manufactured by using unblown asphalt and do not contain tar from coal, asbestos, chlorine, used and/or rerefined, are recyclable and are not dangerous waste.
The release of a safety data sheet for this product is not compulsory, in any case an informative document is available for the correct use of the product.

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