

Document conforms:

Part 1: Flexible sheets for waterproofing
 - Underlays for discontinuous roofing
 PN-EN 13859 – 1: 2010

Document conforms:

Part 2: Flexible sheets for waterproofing
 - Underlays for walls.
 PN-EN 13859 – 2: 2010



Declaration of conformity No. 04/2013

Flexible sheet for waterproofing - Underlay for discontinuous roofing

Highly steam-permeable membrane 135

date of issue: 01-03-2013

PRODUCT CHARACTERISTIC	TEST METHODS	UNIT	NOMINAL VALUE	TOLERANCE	
				min.	max.

Declared properties of the product:

Length	PN-EN 1848-2	[m]	50	-0 %	-
Width	PNEN 1848-2	[m]	1 1,5	-0,5%	+1,5%
Straightness	PN-EN 1848-2	-	Compliance	-	-
Dimensional stability Dimension along/across	PN-EN 1107-2	[%]	-	-3/-1	+3/+1
Mass per unit area	PN-EN 1849-2	[g/m ²]	135	-15 g	+15 g
Reaction to fire	PN-EN1350-1	[Class]	E-d2	-	-
Water tightness before and after artificial ageing	PN-EN 1928 (Method A)	[Class]	W1	-	-
Water vapour transmission (Sd)	PN-EN ISO 12572/C	[m]	0,015	-0,01	+0,02
Tensile resistance before artificial ageing along/across	PN-EN1231-1 A PN-EN13859-1	[N/50mm]	280/170	-80/-80	+60/+60
Elongation before artificial ageing along/across	PNEN 12311-1 A PN-EN13859-1	[%]	70/90	-30/-30	+40/+40
Resistance to tearing along/across	PN-EN 12310-1 PN-EN 13859-1/B	[N]	100/130	-50/-50	+100/+100
Flexibility at low temperature	PN-EN 1109	[°C]	-25	-	-
Resistance to penetration of air by +/- difference in pressure	PN-EN 12114	[m ³ /(m ² xhx50Pa)]	≤0,1	-	-
Tensile resistance after artificial ageing along/across	PN-EN 12311-1 A PN-EN 13859-1	[N/50mm]	230/150	-80/-80	+80/+80
Elongation after artificial ageing along/across	PN-EN 12311-1 A PN-EN 13859-1	[%]	50/70	-30/-40	+30/+40



Application: as the initial play of roof covering to seal the ventilated sloped roof coverings, in ventilated and non-ventilated roof systems – butt joining with insulation (also with narrow board decking), also as wind barrier in ventilated elevation walls. The producer does not guarantee the proper functioning of the product in case of application other than described.

The notified body no. 1486

Izolacja – Centralny Ośrodek Badawczo-Rozwojowy Przemysłu Izolacji Budowlanej – Pracownia Badań Jakościowych, Katowice, Poland.

Marma Polskie Folie Sp. z o.o.

z siedzibą w Warszawie

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signature of the person in authority