



product data sheet

Meuwissen BV
Waarderweg 122
2031 BS Haarlem



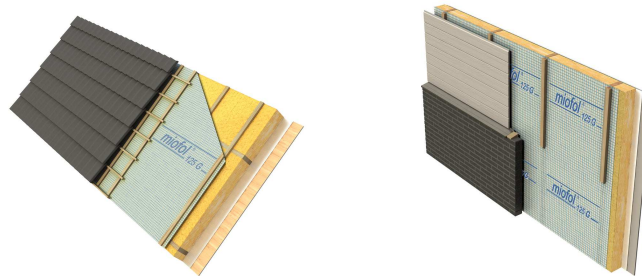
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EN 13859

Product name: Miofol 125 G

Description: Miofol 125 G (= perforated) is a strong, UV-stable, transparent LDPE foil, strengthened with polypropylene fabric.
Diverse 1m x diverse widths x appr. 0.2 mm (upon the net 0,35 mm)
Water-repellent, vapour-permeable layer for exterior wall and roof elements.

Dimensions: Installation in accordance with the guidelines for waterproof and vapour-permeable membranes



Characteristic	Parameter	Test method	Units	Result	Tolerances		Result after ageing ¹
Mass per unit area		EN 1849-2	g/m ²	125	-12	+12	
Reaction to fire			Class	F			
Resistance to water penetration		EN 13111	Class	W2			W2
Tensile strength	MD	EN 12311-1 Ann.A	N/50 mm	325	-50	+40	428
Tensile strength	CD	EN 12311-1 Ann.A	N/50 mm	335	-85	+40	388
Elongation	MD	EN 12311-1 Ann.A	%	15	-5	+7	10
Elongation	CD	EN 12311-1 Ann.A	%	15	-5	+7	7
Tear strength	MD	EN 12310-1 Ann.B	N	320	-120	+150	
Tear strength	CD	EN 12310-1 Ann.B	N	300	-100	+200	
Water vapour permeability		EN 1931	m	0.28	-0.14	+0.15	
			g/m ² /24h	123	-43	+127	

¹ Update tests are running for this product group



Declaration of conformity



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Description: Miofol 125 G (= perforated) is a strong, UV-stable, transparent LDPE foil, strengthened with polypropylene fabric.

Diverse 1m x diverse widths x appr. 0.2 mm (upon the net 0,35 mm)

Type of application: Water-repellent, vapour-permeable layer of exterior wall and roof elements.

Data interpretation

The product is tested according to the NEN-EN 13859: Flexibele sheets for waterproofing - Definitions and characteristics of underlays - Part 1: Underlays for discontinuous roofing - Part 2: Underlays for walls. Annex ZA for products under system 3. The product characteristic 'reaction to fire' is not tested (Class F) according the Dutch construction guidelines. The product characteristics 'resistance to water penetration', 'water vapour permeability' and 'artificial ageing properties' are initial type tested by a notified test laboratory 'SHR', KOMO project 3279 dated 25-03-2004. The product characteristics 'tensile strength', 'elongation', 'tear strength' and 'mass per unit area' are initial type tested by our own laboratory. To show the product still meets the characteristics Factory Production Control is done by our own laboratory.

Notified test laboratory:

SHR Hout Research (notified body number 1686)
Nieuwe Kanaal 9b
6709 PA Wageningen

Definitions

Characteristic:	The property of the product that were tested.
Parameter:	Specific direction or class of the product characteristic that were tested
Test method:	Specific prescribed apparatus, material samples and protocols used to produce the test results
Unit:	The quantity or unit used to which results apply
Result:	Value stated by initial type testing that has to be met during testing
NPD:	No performance determined

Property	Standard	Result	Result after ageing ²
Reaction to fire	EN 11925-2	Class F	
Resistance to water penetration	EN 13111	W2	W2
Water vapour permeability	EN 1931	0.14 - 0.43 m 80-250 g/m ² 24h	
Tensile strength in longitudinal direction	EN 12311-1	275-365 N/50 mm	428 N/50 mm
Tensile strength in transverse direction	EN 12311-1	250-375 N/50 mm	388 N/50 mm
Elongation in longitudinal direction	EN 12311-1	10-22 %	10 %
Elongation in transverse direction	EN 12311-1	10-22 %	7 %
Tear strength in longitudinal direction	EN 12310-1	200-470 N	
Tear strength in transverse direction	EN 12310-1	200-500 N	
Length	EN 1848-2	-0,5 %, +2%	
Width	EN 1848-2	-0,5%, +1,0 %	
Thickness	EN 1849-2	NPD	
Mass per unit area	EN 1849-2	125 g/m ² ± 10%	
Dimensional stability	EN 1107-2	NPD	
Flexibility at low temperatures	EN 1109	NPD	

Application

Miofol 125 G is employed as a water-repellent, vapour-permeable layer on the cold side (generally the outside) of the interior structure of among other things exterior wall and roof elements. The foil is microperforated, i.e. it is only watertight to a limited extent. In order to prevent leakage as a result of capillary effects as far as possible, Miofol 125 G should not be applied in direct contact with hard surfaces (such as the roof panelling). Contact with a soft underlying surface such as mineral wool is permissible. Miofol 125 G should be kept clear of the underlying structure (e.g. the roof panelling) when it is applied, so that air can flow in and out underneath the foil. This avoids accumulation of moisture.

Miofol 125 G is used both in new construction and in renovation work.

Authorization

Quality assurance and product development: I. Gerritsen

Date:
Signature:

Management J. H. Gerritsen

Date:
Signature:

² The last external test is performed at 25-03-2004, > 2 years ago. New tests are requested