

BREATHABLE MEMBRANE 150



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1. CODE REGISTRY

Code	Description	Measures (m)	m ² /cf.	Weight	Pkg. / Pallet
LUC70-9051	Breathable membrane	1,50 x 50	75	150 gr/m ² (-10/+15%)	75 m ² / 30 cf.

MATERIAL Made of PP (polypropylene) and (PE) polyethylene.

GENERAL FEATURES	STANDARD OF REFERENCE	UNIT	NOMINAL VALUE	TOLERANCE	
				Minimum	Maximum
LENGTH	EN 1848-2	[m]	> 50	-	-
WIDTH	EN 1848-2	[m]	1,5	-0,5%	+1,5%
STRAIGHTNESS	EN 1848-2	-	conforme	-	-
BASE WEIGHT	EN 1849-2	[g/m ²]	150	-10	+15
VISIBLE DEFECTS	EN 1850-2	-	without visible defects		
NORMATIVE PART					
REACTION TO FIRE	EN 13501-1 EN 11925-2	[classe]	E	-	-
RESISTANCE TO WATER PENETRATION	EN 1928	[classe]	W1	-	-
RESISTANCE TO WATER PENETRATION AFTER ARTIFICIAL AGING	EN 13859-1; 2 Annex C	[classe]	W1	-	-
WATER VAPOR TRANSMISSION PROPERTIES (SD)	EN 12572	[m]	0,02	-0,01	+0,015
MAXIMUM TENSILE STRENGTH MD / CMD	EN 12311-1 EN 13859-1	[N/50mm]	280 / 200	-40 / -40	+50 / +40
MAXIMUM TENSILE STRENGTH AFTER ARTIFICIAL AGING MD / CMD	EN 13859-1 Annex C	[N/50mm]	235 / 170	-40 / -40	+70 / +50
ELONGATION RESISTANCE MD / CMD	EN 12311-1 EN 13859-1	[%]	45 / 75	-15 / -25	+25 / + 25
ELONGATION STRENGTH MD / CMD AFTER ARTIFICIAL AGING	EN 13859-1 Annex C	[%]	35 / 55	-17 / -25	+30 / +30
TEAR STRENGTH MD / CMD	EN 12310-1 EN 13859-1	[N]	200 / 270	-40 / -60	+50 / +85
DIMENSIONAL STABILITY	EN 1107-2	[%]	< 2	-	-
FLEXIBILITY AT LOW TEMPERATURES	EN 1109	[°C]	-20	-	-
RESISTANCE TO AIR PENETRATION	EN 12114 EN 13859-2	[m ³ (m ² .h.50Pa)]	npd	-	-
TEMPERATURE RESISTANCE	-	[°C]	-40 / +80	-	-
HYDROSTATIC PRESSURE TESTING	EN ISO 811	[cm]	> 400	-	-
HAZARDOUS SUBSTANCES			npd		

MD - Machine Direction, CMD - Cross Machine Direction, npd - no performance determined

BREATHABLE MEMBRANE 150

2. CERTIFICATIONS



3. DESCRIPTION

Breathable waterproof roofing membrane, produced by laminating outer layers of polypropylene and an inner layer of microporous polypropylene film, thus meeting specific requirements for use as a supported or unsupported pitched roof construction, for both applications, for wood screening or directly over thermal insulation with a recommended overlap. 1.50 x 50 m roll individually wrapped in cellophane.

4. USE

Used to protect against water, air and wind infiltration. Ensures proper breathability, optimizing the effectiveness of the insulation.

5. INSTALLATION INSTRUCTIONS

Laying: laying horizontally, parallel to the eaves, from bottom to top.

Overlaps: 15 cm for a slope > to 30%, 20 cm for a lower slope. Consider 10 cm for connections.

Fastening: fasten with a stapler and battens. In areas of overlap, the two thicknesses should be fixed.

Sheet bonding: recommended in cases of weak slope, strong wind exposure. Make fastening with adhesive bands that also allow repair work.

Nailing tightness: in order to ensure perfect tightness when fixing another element.

Ridge treatment: in the case of insulation laid up to the ridge, the screen is attached to the ridge with an overlap of 20 cm. For insulation not laid up to the ridge, the screen must be absolutely cut 10/15 cm from the ridge.

Treatment of details.

Walls: in the presence of vertical walls, cut the sheet increased by 10 cm and turn it up on the wall itself, fixing with butyl adhesive bands that also ensure waterproofing.

Chimneys: same procedure on all four sides. Create an embankment around the chimney with the execution of a drainage channel on the top that allows the evacuation of rainwater, snow etc...

Eaves:

- Bring the screen up to the eaves: the connection should be made with the help of a flashing to convey water directly from the underlay to the eaves. The screen should overlap this flashing by at least 10 cm without overflowing into the eaves.

- Bring the screen under the eaves: you simply leave the screen in contact with the battens up to their ends. In case, it is advisable to protect the head of the laths with a profile that will act as a drip.

6. FEATURES

- Classic function of an under-roofing screen:
- Complementary protection from dust, soot, powdery snow, pollen, etc... and protection from any seepage that may occur on a roof consisting of small roofing elements (tiles, slate etc...).
- In the case of strong winds, thanks to its function of pressure balancing in the under-face, it helps to limit the risk of uplift of roofing elements.
- For these reasons, the underlay shield is an important element for all small-element roofing.
- Complementary functions of breathable membrane 150 gr:
- It prevents the penetration of wind, air and moisture inside the insulation and woodwork.
- Its high vapor permeability allows direct contact installation on the insulation.
- Excellent stability to UV rays.

7. TECHNICAL SPECIFICATIONS

Item	Description	Unit	Price
Dak.R.LUC70.9051	Supply and installation of 3-layer breathable screen. Composed of 2 layers of polypropylene fabric and 1 "functional" inner polyethylene membrane. 1.50 x 50 m roll. Individually packed in cellophane. Made of PP (polypropylene) and (PE) polyethylene. Grammage 150 g/m2. Guarantees an Sd value of 0.02 m. Used to protect against water, air and wind infiltration. Ensures proper breathability, optimizing the effectiveness of the insulation.	rot.	-