BREATHABLE MEMBRANE 170 UV+

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1. DATA AND DOCUMENTATION

Code	Description	Measures (m)	m²/cf.	Weight	Pallet
LUC70-9086UV	Breathable membrane 170 UV+	1,50 x 50	75	165 gr/m² - 13 Kg	30 cf.

MATERIAL Made of PP (polypropylene) and (PE) polyethylene with processing for greater UV resistance.

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/m²]	165	-10	+15
VISIBLE DEFECTS	EN 1850-2	-	without visiible 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 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]	290 / 210	-30 / -30	+50 / +50
MAXIMUM TENSILE STRENGTH AFTER ARTIFICIAL AGING MD / CMD	EN 13859-1 Annex C	[N/50mm]	240 / 175	-30 / -30	+70 / +70
ELONGATION RESISTANCE MD / CMD	EN 12311-1 EN 13859-1	[%]	50 / 90	-15 / -30	+25 / + 40
ELONGATION STRENGTH MD / CMD AFTER ARTIFICIAL AGING	EN 13859-1 Annex C	[%]	35 / 65	-15 / -30	+30 / +45
TEAR STRENGTH MD / CMD	EN 12310-1 EN 13859-1	[N]	220 / 280	-40 / -60	+50 / +70
DIMENSIONAL STABILITY	EN 1107-2	[%]	< 2	-	-
FLEXIBILITY AT LOW TEMPERATURES	EN 1109	[°C]	-20	-	-
RESISTANCE TO AIR PENETRATION	EN 12114 EN 13859-2	[m³(m².h.50Pa)]	npd	-	-
TEMPERATURE RESISTANCE	-	[°C]	-40 / +80	-	-
HYDROSTATIC PRESSURE TESTING	EN ISO 811	[cm]	> 400	-	-
HAZARDOUS SUBSTANCES			npd		

* con fondo in composto isolante

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

BREATHABLE MEMBRANE 170 UV+

2. CERTIFICAZIONE

CE
EN 13859

3. DESCRIPTION

Composed of 2 layers do polypropylene fabric and 1 “functional” inner polyethylene membrane. Packaging = 1.50 x 50 m roll and 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. RECCOMENDATIONS

Laying: laid 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 for Dakota underlayment screens, which 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 cm.10 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:

- Carry the screen up to the eaves: the connection should be made with the help of a flashing to convey water directly from the undercover 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 underlay 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 pressure balancing function in the under-face, it helps to limit the risk of uplift of roofing elements.
- For these reasons, the under-face shield is an important element for all small-element roofing.

Complementary functions of breathable membrane 170 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. VOCI DI CAPITOLATO

Item	Description	Unit	Price
Dak.R.LUC70.9086xx	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 with processing for greater UV resistance. Grammage 165 g/m2. Provides an average Sd value of 0.02 m. Used to protect against water, air and wind infiltration. Ensures proper breathability, optimizing the effectiveness of the insulation.		
Dak.R.LUC70.9086UV	1,50 x 50 m.....	roll	-