

TECHNICAL DATA SHEET



Eurovent **CLIMA X**

Active vapour control membrane reinforced with PE mesh. Three-layer structure composed of a polypropylene nonwoven layer, a special functional film, and a PE mesh reinforcement. It offers exceptional durability within its class. The Eurovent® CLIMA X vapour control membrane has been certified by the Passive House Institute with an airtightness rating of phA class. Available on request in a version with two integrated self-adhesive strips – SK2 SYSTEM.

PARAMETER	UNIT	VALUE
Material		PP + HDPE mesh
Reaction to fire		E
Variable Sd	[m]	2-16
Sd value	[m]	$\geq 10 \pm 2$
UV resistance	[months]	2*
UV Exposure Time	[weeks]	4
Mass per unit	[g/m ² (±5%)]	ca. 115
Thickness	[mm]	ca. 0,5
Water-tightness		W1
Tensile strength MD	[N/50 mm]	≥ 304
Tensile strength CD	[N/50 mm]	≥ 248
Tearing Resistance MD	[N]	≥ 200
Tearing Resistance CD	[N]	≥ 230
Elongation MD	[%]	10-30
Elongation CD	[%]	10-30
Color		white
Roll size	[m x mb]	1,5 x 50 = 75 m ² 3,0 x 50 = 150 m ²
Pallet	[rolls]	75 m ² = 50 150 m ² = 30

* UV stabilization even up to 2 months according to artificial ageing performed in the laboratory related to the conditions of average sun exposure for the climate in Central Europe



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Application: It is used in residential and industrial construction as a vapour control layer that protects attics and wall structures from excessive moisture penetrating the thermal insulation from inside the building. Thanks to its active vapour-regulating properties, it effectively prevents the so-called “plastic bag effect”—the build-up of moisture in the attic that can lead to mould and mildew formation. It also protects structural timber from rot and degradation. During installation, it is essential to use Eurovent® DUO tape for sealing membrane overlaps and Eurovent® UNO tape for sealing joints with structural elements of the roof or wall. It is particularly recommended for passive houses, as well as timber-frame and modular constructions. Thanks to its mechanical strength, it is ideal for use with injected thermal insulation materials, such as cellulose.

Installation recommendations / warranty: Installation should be carried out using Eurovent® adhesive tapes to seal overlaps, repair, and secure areas where the membrane has been punctured (caused by staples, nails, or other mechanical damage). Punctured areas (damage) must be absolutely secured. Within 4 weeks of installation, the vapor control membrane must be protected from exposure to daylight (UV radiation). The product is covered by a warranty, provided the technical data sheet and installation instructions are strictly followed. The manufacturer reserves the right to refuse warranty claims if the provided guidelines are not followed.

Safety: The product is not intended for consumption. Avoid contact with eyes. In case of skin irritation, consult a doctor.

Storage / transport: The product should be stored in a dry place, under cover, free from moisture and UV radiation in original undamaged and closed package. Rolls should be transported in covered means of transport. They should be prepared for transport in a manner that protects them from damage and destruction. During transport safety regulations must be observed. The product should be protected from chemical agents, especially solvent-based substances, as they may degrade its technical properties or cause permanent damage.

System SK2: Membrane is available, on demand in SYSTEM SK2 based on two integrated self-adhesive tapes. This solution facilitates installation and guarantees proper sealing of overlaps. Two complementary tapes enable durable connection of membranes in all weather conditions: at high humidity, during strong winds, in the rain, at low temperatures, on a heavily soiled membrane's surface. To gain proper sealing of overlaps, use the line which is min. 10 cm from the membranes edge.

Contained information, advice and guidance is given based on our knowledge, researches, experience and in good faith. We are not responsible for the consequences of improper or incorrect use of our products. Each user of this material will ensure in every possible way, including an examination of the final product in the relevant conditions, the suitability of supplied materials to achieve the objectives pursued by him.

Product information can be found on the website: www.eurovent.de

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