

TECHNICAL DATA SHEET



**Eurovent CLIMA X20**

Vapour control membrane reinforced with PE mesh. Three-layer structure composed of a polypropylene nonwoven layer, a special functional film, and a PE reinforcement mesh. It is characterised by an increased Sd-value and exceptional durability within its class. The membrane's active vapour-regulating properties effectively prevent condensation of water vapour. Available on request in a version with two integrated self-adhesive strips – SK2 SYSTEM.

PARAMETER	UNIT	VALUE
Material		PP
Reaction to fire		E
Sd value	[m]	≥ 20
UV resistance	[months]	4*
UV Exposure Time	[weeks]	4
Mass per unit	[g/m <sup>2</sup> (±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]	≥280
Tearing Resistance CD	[N]	≥299
Elongation MD	[%]	10-30
Elongation CD	[%]	10-30
Color		white
Roll size	[m x mb]	1,5 x 50 = 75 m <sup>2</sup>
Pallet	[rolls]	50

\* UV stabilization even up to 4 months according to artificial ageing performed in the laboratory related to the conditions of average sun exposure for the climate in Central Europe



## Eurovent CLIMA X20

**Application:** It is used in residential and industrial construction as a vapour control layer that protects attic and wall structures from excessive moisture penetrating the thermal insulation from the interior of the building. Thanks to its vapour-blocking properties, it effectively prevents the so-called “plastic bag effect”—the accumulation of moisture in the attic that can lead to mould and mildew growth. It also protects structural timber against rot and biological degradation. During installation, it is essential to use Eurovent® DUO tape for sealing membrane overlaps, and Eurovent® UNO tape for sealing joints with roof or wall structural elements. The product is particularly recommended for passive houses, timber-frame constructions, and modular buildings. Due to its high mechanical durability, it is also suitable for use in systems 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](http://www.eurovent.de)

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