

TECHNICAL DATASHEET

SYSTEMIT **Clima CORE X**

Clima Core X is a moisture-active vapour barrier membrane, a three-layer reinforced solution with PE thermostabilised mesh and a variable Sd-value. Made of a non-woven polypropylene fabric layer, a special functional layer and PE mesh. The functional layer allows a small amount of water vapour to migrate into the attic from the inside of the building during the winter and, if necessary, from the attic to the inside during the spring months, forming the product's vapour barrier reactivity moment. It can also be produced on request with two adhesive strips - SYSTEM SK2 version.



PARAMETERS	UNIT OF MEASUREMENT	VĚRTIBA
Fire response		E ≥ 10
SD value	[m] [m] [g/m ²	m 2-16
Variable amount of SD	(±10%)] [mm]	m ca.
Weight		115 ca.
Thickness		0,5 W1
Water Resistance		2* 4 ca.
UV Resistance	[months]	304 ca.
UV exposure time	[[weeks]	248 10-
Tensile strength MD	[N/50 mm]	30 10-
Tensile strength CD	[N/50 mm]	30 ca.
MD extension	[%] [%] [N]	280 ca.
CD extension	[N]	299
Tear resistance MD		NPD
Tear resistance CD		white
Impact resistance		
Color		
Size of the roll	[m x tm]	1,5 x 50 = 75 m ²
Amount on the pellet	[rolls]	50

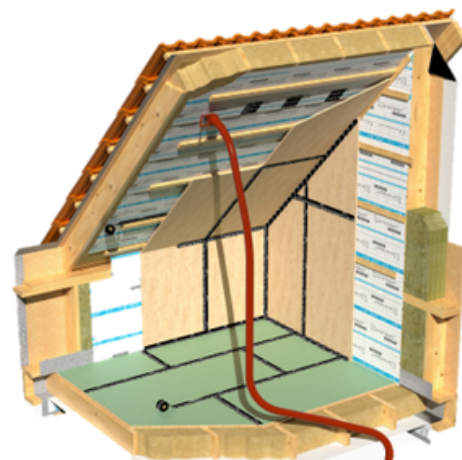
Advantages:

- Highly tear resistant • Prevents condensation of water vapour
- Increased drying potential • Available with SK2 SYSTEM

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Usage:

Clima Core X vapour control membrane is used in residential and industrial construction as a vapour control layer that protects the attic against excessive moisture penetration from inside the thermal insulation. Also used in roof and wall constructions. Thanks to its active properties, the 'foil bag' effect, i.e. the formation of fungi and mould in the attic as a result of excessive moisture, is prevented. It also protects the timber of the structure from the risk of collapse and structural defects. When installed, it is recommended to use DUO adhesive tapes to bond overlaps and seal joints with other structural elements of the building. Also used for the incorporation of loose thermal insulation materials.



Installation recommendation / guarantee:

Installation should be carried out using seam tapes for overlap bonding, repair and protection of membrane puncture points (caused by staples, nails and other mechanical damage). It is important to protect the areas where the membrane is punctured (damaged). The vapour barrier membrane shall be protected from daylight (UV radiation) within 4 weeks from the time of installation. The product is covered by the guarantee provided that the instructions in the technical data sheet and the installation instructions are strictly followed. The manufacturer reserves the right to refuse to accept a complaint if the guidelines given are not followed.

Storage / transport:

The product should be stored in a dry, closed place, free from moisture and UV radiation, in its original, undamaged packaging. The rolls must be transported in covered vehicles. They must be prepared for transport in such a way as to protect them from damage and destruction. Safety rules must be observed during transport. The product must be protected from chemicals, especially solvent-based substances, as these may reduce the technical characteristics of the product or permanently damage it.

System SK2:

The membrane is available on request with SYSTEM SK2, based on two integrated self-adhesive edges. This solution facilitates installation and guarantees correct sealing of overlapping joints. The two complementary adhesive strips ensure a tight bonding of the membranes in all weather conditions: high humidity, high winds, rain, low temperatures, on heavily soiled membrane surfaces. To ensure proper double-sided overlap, use a printed line of min. 10 cm from the edge of the membrane.



The information, advice and guidance contained herein is based on our knowledge, research, experience and good faith. We are not responsible for the consequences of improper use of our products. Each user of this material will ensure by all means, including testing the final product under the appropriate conditions, that the materials supplied are suitable for their intended purpose.