technical data sheet

STEICO*multi renova*

Moisture variable vapour control membrane



Moisture variable vapour control membrane for indoor applications

- Optimised for demanding projects in terms of building physics - moisture variable with more than 80-fold spread
- High tear resistance
- Robust and flexible: 3-layer, coated PP nonwoven fabric, mesh reinforced
- Suitable for combination with air-injected insulation and batt insulation materials

Application area



- For airtight use on the inside of roof, wall and ceiling constructions
- Can be used with moisture-critical structures (appropriate inspection of the structure recommended)
- Suitable for sub and top installation when sufficient insulation covering is provided by STEICO wood fibre sarking boards
- Suitable for air-injected insulation and batt insulation materials

Technical data

Production and designation	EN 13984: 2013
Fire class (RTF) according to EN 13501-1	E
Temperature resistance	-40 / +80 °C
Durability after artificial ageing	Passed according to EN 1296 / EN 1931
UV protection in non-installed state	3 months
Max. tensile force longitudinal	≥ 300 N/5 cm
Max. tensile force transverse	≥ 260 N/5 cm
Elongation at Max. tensile force longitudinal	≥ 20 %
Elongation at Max. tensile force transverse	≥ 18 %
Tear resistance longitudinal	≥ 230 N
Tear resistance transverse	≥ 230 N
s_d-value	0,4 - 35 m

Forms of delivery

Rolled product

Length [mm]	Width [mm]	Number/pal. [pcs.]	Area/roll [m²]
50000	1500	20	75
50000	3000	20	150

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Weight and packing

Rolled product

Length [mm]	Width [mm]	Weight/m²[kg]	Weight/pcs. [kg]	pac./pal. paper/ cardboard (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. wood (approx) [kg]	Weight./pal. (approx.) [kg]
50000	1500	0.10	9.0	30.00	2.5	16.2	235
50000	3000	0.10	18.0	60.00	5.0	16.2	445

Notes

Storage

- Store in a dry place, protected from dirt, sun and moisture

Disposal

- dispose with normal construction waste, observe applicable legal guidelines

Installation

- The airtight membrane can be cut to size using a sharp knife or a cutting tool suitable for membranes

Building moisture

- Remove increased indoor humidity (e.g. during the construction phase) by consistent and constant ventilation.
- Occasional shock ventilation is not sufficient to quickly remove large amounts of building-related moisture from the building,
- Set up a building dryer if necessary.
- A maximum relative humidity of 70 % during the construction period must be maintained.
- To avoid condensation, the airtight bonding of the STEICO*multi renova* should be carried out immediately after installation of the thermal insulation. This applies in particular to work in winter.

Installation

Installation with cavity insulation materials

- Lay the membrane with the printed side facing the installer
- Lay parallel or at right angles to the rafters with at least 10 cm overlap
- Ensure that the membrane is flush with the insulation surface. There must be no gaps between the insulation and the membrane. This can be visually inspected thanks to the translucent nature of the membrane.
- Install without tension and avoid creases
- Overlaps, component connections, and penetrations must be made airtight with STEICO system accessories
- Additional mechanical fastening (e.g. battens) must be carried out immediately after installation to support the weight of the insulation material

Installation with blown-in insulation

- The distance between the staples used to fix the vapour barrier to the substructure is max. 10 cm
- Alternatively, the use of STEICO *hard fiber strips* or an additional batten along the rafter is recommended
- Before installing the blown-in insulation, a cross batten with a maximum center distance of 420 mm must be installed
- After installing the insulation, seal the air-injected holes airtight with STEICO*multi tape P* patch
- When laying membrane across gaps between supporting timbers it is recommended to reinforce the overlap bonding crosswise with pieces of STEICO*multi tape* at the centre of the gaps.

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Certificates and quality management

CE

Caption

other abbreviations

pal. Pallet
T&G Tongue and Groove
pac. Packaging
approx. Approximately
EUR Europe

Compliance

Responsible for content
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Liability disclaimer

The contents of this document have been compiled with the utmost care. However, applicable standards and regulations can change. STEICO accepts no liability for the accuracy, completeness and current applicability of the standards and regulations presented. Always check compliance with standards and regulations and the suitability of our products for the specific intended use, and make any necessary adjustments during installation.

STEICO accepts no responsibility for the completeness, accuracy or quality of information provided by third parties.

Regional document validity: EU*

***Additional Validity Information**

The contents of this document have been prepared in consideration of European product standards and provide a general overview of component structures, construction methods, and installation. Local applicable regulations have not been considered.

The most recent version of this document applies. This version can be found at:
www.steico.com/tds_steicomulti_renova_eur_en