



Product Description

A moisture-adaptive smart vapor barrier with fleece and reinforced mesh, engineered for demanding airtight applications. The Duo+ balances airtightness, variable diffusion, and added durability, making it ideal for projects with blown-in insulation.



VARISMART DUO+

Smart Vapor Retardant

Highlights

- Mesh reinforcement for extra durability ✓
- Smart Sd-value adapts to humidity ✓
- Airtight for long-term reliability ✓

Technical Data

Criteria	Value
Nail Tear Resistance (longitudinal) Nail Tear Resistance (transversal)	>150 N
Air Permeance (ASTM E2178)	0.0033 L/s-m ² @ 75pa
Peel adhesion	≥ 25 N/25 mm (DIN EN 1939*)
SD-value (DIN EN ISO 12 572)	0.1 - 20 m
Perm Value (ASTM E96)	0.95 – 22.53 perms

Technical Data

Criteria	Value
Maximum tensile strength (longitudinal)	>200 N
Maximum tensile strength (transversal)	>250 N
Elongation at Maximum tensile strength	>15 %
Watertightness at .3 PSI (EN1928)	Passed
Fire Safety Classification (ASTM E84)	A

Application Area

VARISMART DUO+ is a smart vapor barrier with fleece and mesh reinforcement, designed for airtight and moisture-regulating applications.

Its adaptive Sd-value allows year-round moisture control, making it especially suitable for use in roofs, walls, and blown-in insulation systems.

Handling Instruction

All surfaces must be clean, dry, and free of dust or oil before installation. Apply the membrane tension-free, following standard installation guidelines.

If stress-free application cannot be achieved, additional mechanical fastening is recommended. Ensure overlaps are well-sealed and apply even pressure for proper bonding.

The recommended processing temperature should be observed, and adhesion must be verified on-site. Rework the application if required to maintain airtightness.

*This technical data sheet loses its validity in the event of a new edition.
The technical data sheet has been compiled on the basis of the latest state of the art. However, due to the variety of substrates and object conditions, the user is not released from his obligation to test the material for its suitability for the intended use under the respective object conditions in a professional and workmanlike manner.*