Isover Vario® XtraSafe

Water vapour retardant climate membrane

An innovative membrane system designed to manage moisture within frame and lining systems whilst enhancing airtightness. The Isover Vario® system is a suite of components designed to protect against moisture associated issues and provide superior performance.

Isover Vario® XtraSafe Membrane is part of a complete system designed to protect against moisture accumulation, interstitial condensation and associated issues, and to provide superior performance.

The range includes specifically developed tapes and sealant systems that are fully compatible with the Vario® XtraSafe Membrane. Tapes are non-ageing and enable fast and efficient joining; together the parts ensure the maximum performance of the Vario® system.

Features and Benefits

Vario® XtraSafe: A Nylon re-inforced vapour control layer with variable resistivity properties

- Easy to install - Using XtraFix tape, the revolutionary new attachment system, coupled with pre-printed cutting guides, make Vario® XtraSafe the quickest and simplest to install airtightness membrane on the market

Airtightness
Helps to meet or exceed Part L regulations governing airtightness.

Water resistant
Prevents unwanted water vapour from permeating the building structure.

Delivery format

Thickness (mm)	Length (mm)	Width (mm)	Rolls	M²/Roll
Approx 0.2	40000	1500	1	60

ISOVER SAINT-GOBAIN

Product Specification (continued)

Properties	Sign	Unit	Performance characteristics	Norms
Material			Modified polyamide with polyolefin layer, strengthened with specialty non-woven fabric	-
Lamination			Fixative special non-woven polyester fabric	-
Water vapour permeability		g/(m²/d)	approx. 70 to 1.2	EN ISO 12 572
Diffusion-equivalent air layer thickness	sd	m	0.3 ≤ sd ≤20 (humidity variable)1	EN ISO 12 572
Static diffusion equivalent air layer thickness	sd	m	2.04	EN 19 31
Fire behaviour	Euroclass		Class E - normal flammable	EN 13 984
Tear resistance (nail shank)		N	≥50	EN 13 984
Tensile strength		N/50mm	≥110	EN 13 984
Mass per unit area		g/m²	Ca. 80	-
Resistance against water penetration			W1	-
Temperature resistance		°C	-40 up to +80	-
UV resistance			3 month (direct), min. 18 months behind glazing (interiors)	-
Aroma barrier			Protection against gas release into the living space from old wood preservatives (in old buildings)	

1 The variable Sd-Value of the Isover Vario® XtraSafe can only be registered by a dynamic calculation program (e.g. as per reference [10] in DIN 4108-3: 2001-07). Therefore, the Fraunhofer Institut Holzkirchen has established that in calculating according to a statistical procedure (DIN 4108-3: 2001-07 Point 4.2. / A6.2, e.g Glaser procedure, a fixed sd value of 10.2m is to be assumed for Isover Vario® XtraSafe).

Characteristic	Description
Handling and storage	Isover products are supplied with protective polythene wrapping.
Environmental standards	All Isover products are manufactured under Environmental Management System – ISO 14001:2004. Zero ODP (Ozone Depletion Potential), GWP < 5 (Global Warming Potential). The manufacturing process does not use or contain CFC's, HCFC's or other damaging gases.
Quality standards	All Isover Vario® products are manufactured under Quality Management System – ISO 9001:2008.
Building regulations	Helps meet the requirements of UK Airtightness Building Regulations pertinent to Part L1A 2013 for new dwellings (maximum air leakage of 10/m³/m²/hr)
Health & safety	A Material Safety Data Sheet can be obtained from the Isover website. • Our REACH statement can be found at www.isover.co.uk
Certification	BBA Approval Pending

Buildings Insulation - Technical Enquiries:
Tel: 0115 945 1143
Email: isover.enquiries@saint-gobain.com

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Saint-Gobain Isover
Whitehouse Industrial Estate
Runcorn
Cheshire WA7 3DP
Tel: +44 (0) 1928 704 100
Email: isover@saint-gobain.com

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