



ISOVER VARIO® XTRASAFE



Airtightness and Moisture Management

An innovative membrane 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.

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 accessories ensure the maximum performance of the Vario® system.

Features and Benefits



Airtightness

Helps to meet or exceed Part L regulations governing airtightness.



Quick and easy to install

The Vario® range of accessories; XtraFix, Multitape SL and DS sealant make the system fast and easy to fix on-site.



Moisture management

Prevents unwanted water vapour from permeating into the building structure with a variable Sd value of 0.3-25m.

Delivery Specification

| Thickness (mm) | Length (mm) | Width (mm) | Rolls | M ² /Roll |
|----------------|-------------|------------|-------|----------------------|
| Approx 0.2 | 400000 | 1500 | 1 | 60 |



PRODUCT SPECIFICATION

| 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/(m ² /d) | approx. 70 to 1.2 | EN ISO 12572 |
| Diffusion-equivalent air layer thickness | Sd | m | $0.3 \leq Sd \leq 25$ (humidity variable) ¹ | EN ISO 12572 |
| Static diffusion equivalent air layer | Sd | m | 2.04 | EN 1931 |
| Fire behaviour | Euroclass | | Class E | EN 13984 |
| Tear resistance (nail shank) | | N | ≥50 | EN 13984 |
| Tensile strength | | N/50mm | ≥110 | EN 13984 |
| Mass per unit area | | g/m ² | 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 |
|-----------------------------|--|
| Quality standards | All Isover products are manufactured under Quality Management System - ISO 9001. |
| Building regulations | Helps meet the requirements of UK Airtightness Building Regulations pertinent to Part L1A (England and Wales) for new dwellings (maximum air leakage of 10/m ³ /m ² /hr) and Section 6 (Scotland). |
| Health & safety | A Material Safety Data Sheet can be obtained from the Isover website. |
| Certification | CE marked to ISO 13485:2003 - registration number 00115/0. |

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