

## Data Sheet

# Green Tint Vapour Barrier

### Use

- Vapour control Layer
- Suitable for floors, walls, roofs and ceilings
- Designed for medium condensation risk buildings
- To control the risk of interstitial condensation within the fabric of the building
- To Increase airtightness of the structure

### Features and benefits

- Restricts passage of warm moisture laden air from within the building
- Tinted Green for identification and visibility
- 300µm thickness
- Single wound roll
- High vapour resistant (HR)

### Approvals and standards

- Complies with Building Regulation Approved Document L
- CE Mark EN13984:2013
- Meets British Standard BS 5250:2011 Code of practice for control of condensation in buildings

### Materials

- Semi-transparent virgin polyethylene
- Produced by blown extrusion process
- 300µm thickness
- Roll size 2m x 50m
- Single wound roll

### System components

- Double sided moisture tolerant tape - 50mm x 15m
- Double sided moisture tolerant tape - 100mm x 10m
- Single sided high tack lap tape - 72mm x 50mm

### Storage and handling

- Store rolls horizontally, under cover and remain in original packaging prior to use
- Current manual handling regulations should be followed at all times

## Installation

- Principal Green Tint Vapour Barrier should be Installed in accordance with the recommendations of BS5250:2011 Code of practice for control of condensation in buildings
- The vapour barrier should be installed to the "warm" side of the insulated structure
- All penetrations and overlaps to be sealed with tape to ensure continuity
- All joints and overlaps should be a minimum of 100mm
- Seal all joints, abutments and overlaps with single sided high tack tape
- Where possible taped laps should be applied on a solid substrate to ensure full contact seal
- Care should be taken to ensure all joints, abutments and overlaps are clean and dry before applying double sided or single sided tapes
- Evenly apply tape seals central over the laps
- For fixing to timber or metal frames apply a continuous band of double-sided moisture tolerant tape to all studs, heads and wall plates ensuring a firm seal
- Only remove the release paper from double sided tape prior to applying the vapour barrier sheet
- During installation of vapour barrier ensure a good seal between double sided tape and vapour barrier
- Failure to seal vapour barrier to other building members will severely reduce vapour control performance
- The vapour barriers should not be left unsupported when subjected to gravity forces and will require suitable mechanical fixing to hold in place during installation

## Technical Data

| Property   | Test method               | Unit                | Result |
|--|---------------------------|---------------------|--------|
| Roll length  | ± 5%                      | m                   | 50     |
| Roll width   | ± 2.5%                    | m                   | 2      |
| Thickness  | ± 12%                     | µm                  | 300    |
| Dimensional stability (MD) Longitudinal direction            | MOAT 27:5.4.3             | %                   | -0.15  |
| Dimensional stability (CD) Transverse direction              | MOAT 27:5.4.3             | %                   | 0.01   |
| Mass   |                           | g/m <sup>2</sup>    | 276    |
| Tensile strength – (MD) Longitudinal direction               | BS 2782:320A              | N/mm <sup>2</sup>   | 18.9   |
| Tensile strength – (CD) Transverse direction                 | BS 2782:320A              | N/mm <sup>2</sup>   | 18.5   |
| Elongation at break (MD) Longitudinal direction              | BS 2782:320A              | %                   | 530    |
| Elongation at break (CD) Transverse direction                | BS 2782:320A              | %                   | 627    |
| Resistance to impact 0°C                                     | BBA T1/09                 |                     | Pass   |
| Resistance to impact 23°C                                    | BBA T1/09                 |                     | Pass   |
| Impact   | Dart BS2782:352D          | g                   | 893    |
| Tear strength (nail) - (MD) Longitudinal direction           | MOAT 27: 5.4.1            | N                   | 110.8  |
| Tear strength (nail) - (CD) Transverse direction             | MOAT 27: 5.4.1            | N                   | 115.6  |
| Tear strength (trouser) - (MD) Longitudinal direction        | BS2782:part3: method 360B | N                   | 33.7   |
| Tear strength (trouser) - (CD) Transverse direction          | BS2782:part3: method 360B | N                   | 52.9   |
| Flexibility at low temperature - (MD) Longitudinal direction | MOAT 27: 5.4.2            | °C                  | -20    |
| Flexibility at low temperature - (CD) Transverse direction   | MOAT 27: 5.4.2            | °C                  | -20    |
| Water vapour transmission – resistance                       | BS3177 (25°C/75°C RH)     | MNs/g               | ≥600   |
| Water vapour transmission - Permeability                     | BS3177 (25°C/75°C RH)     | g/m <sup>2</sup> /d | 0.34   |