

The PHS Sd Variable Plus Membrane is a triple layer fabric, high performance membrane, made from non-woven PP fabric. PHS Sd Variable Plus is a robust airtight membrane with a variable Sd value made using a mesh reinforced material. It creates an airtight barrier and provides variable diffusion resistance which allows it to change its diffusion based on the environment. This creates an airtight layer that dynamically adjusts based on the humidity of the environment, preventing condensation build up and moisture damage. PHS Sd Variable Plus is highly recommended for flat roofs and retrofits.

## Advantages

- Robust & Flexible.
- Highly Rear-Resistant.
- Moisture Variable, Sd value 0.4–35m.
- Suitable for Air-Injected Insulation & Insulation Mats.

## Installation

- Lay the membrane so that the printed side is facing the fitter.
- Lay the sheet parallel or at a right angle to the rafters with an overlap of at least 10cm.
- Ensure flush-mounted bay insulation, there should be no cavities between the bay insulation and membrane.
- The membrane is translucent making it easier to see markings, measurements and fixtures.
- Fit the membrane free of tension and avoid creases.
- Overlaps, component joints and penetrations must be made airtight with PHS sealing products including tapes and sealant.

## Related Products

- PHS Wolfy Overlap Tape.
- PHS MS Hybrid Sealant.
- PHS Foam Roof Nail Sealing Tape.
- PHS Service Grommets.
- PHS Double-Sided Tape.
- PHS Fusion Variable Plus Window Tape.

## Technical Data

|   |                             |
|---|-----------------------------|
| <b>Roll Weight (Kg)</b>                   | <b>7.7</b>                  |
| <b>Weight (g/m²)</b>                      | <b>0.103</b>                |
| <b>Roll Length (m)</b>                    | <b>50</b>                   |
| <b>Roll Width (m)</b>                     | <b>1.5</b>                  |
| <b>Roll Area (m²)</b>                     | <b>75</b>                   |
| <b>Colour</b>                             | <b>White (transparent)</b>  |
| <b>Tensile Strength (EN12311-1)</b>       | <b>387</b>                  |
| <b>Elongation (EN12311-1)</b>             | <b>24%</b>                  |
| <b>Nail Tear Resistance (EN12310-1)</b>   | <b>230</b>                  |
| <b>Water Vapour Transmission (Sd) (m)</b> | <b>0.4 - 35m (EN 12572)</b> |
| <b>Resistance to Fire</b>                 | <b>E</b>                    |
| <b>Water Penetration Resistance</b>       | <b>Passed</b>               |