

PHS Sd VARIABLE MEMBRANE

PHS Sd Variable Membrane is a multi-layered vapour control membrane with a moisture-variable sd value. It's used indoors to create an airtight and vapour control layer for the protection of the construction according to DIN 4108-7 and conforms with IS EN 13984. PHS Sd Variable Membrane is a reliable airtight and vapour control layer. During the winter it reliably prevents diffusion of interior humidity into the roof and wall construction whereas during summer it allows for back fusion from the insulation as well as the wall and roof construction. This prevents condensation that facilitates mildew growth and constructional damages.



Fitting Instructions



Interior



Exterior

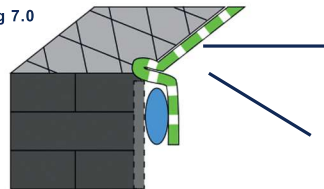


1. The Sd Variable membrane is applied to the building envelope on the warm side of the insulation.
2. The membrane should be rolled out to the correct length and cut with a sharp knife.
3. The membrane should be applied perpendicular to the timbers, with graphics facing the installer. (see fig 1.0)
PHS 970 double sided tape at 400 - 600mm centres should be used. (see fig 2.0) Otherwise staples 150-200mm apart, taking care to tape over the staples with PHS Argo, maintaining the integrity of your airtightness layer.
4. During initial positioning, creases should be removed, and minor pull tension applied to membrane.
5. The overlap joint should be sealed with a 60mm PHS Argo PET tape. Take care to apply the tape evenly between the membranes on the joint. (see fig 4.0 and fig 6.0)
6. All adhesion interfaces should be made secure by applying pressure on the adhesive with the PHS Roller (see fig 3.0)
7. After installation there should be no mechanical strain on the membrane, it's fixings and the joint, i.e. from insulation. If there is a risk of strain, cross-battening at 400mm centres should occur.
8. For fixing membrane to masonry apply a 6-8mm bead of PHS Ottello sealant to the masonry surfaces (see fig 5.0).
9. Gently press the membranes against the sealant and allow to dry. There should be a 3-4mm thick line of sealant after the final pressing, additional thickness will take longer to cure.
10. Ensure there is sufficient stress relief on the membrane's corners and trim back accordingly. (see fig 7.0)
11. Services penetrating the membrane should be sealed with PHS Argo or a suitable grommet.

*** PHS Alkoe is a suitable alternative for the Argo tape.**

- Membrane 1 must overlap Membrane 2 by **100mm**.
- Your joining tape (**PHS Argo**) shall be applied evenly over both membranes.

fig 7.0



- Membrane stress relief loop
- 3-4mm thick sealant

*** To ensure a good adhesion, apply pressure on the tape with the PHS roller.**

Other Products (Used in Application)

PHS Alkoe

PHS Alkoe Paper Tape is a hand tear-able sealing tape with an extremely high tensile resistance.



PHS Argo

For sealing membrane overlaps, joints, connections and penetrations



PHS Ottello

This is a strong adhesive sealant used to make an airtight bond between the membrane and substrate.



Accessories

- PHS Sharp Knife
- PHS Roller, this insures an airtight adhesion.

*** Please refer to the application instructions for other referenced products**

Help Desk

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