PHS ROOF 180gm2 MEMBRANE

With an impressive range of characteristics such as high Vapour Permeability, Extreme Watertightness, High Nail Tear Resistance and Thermostability. PHS Roof 180gm2 offers superior protection against condensation risk and extreme resistance against pelting rain. PHS Roof 180gm2 is a Diffusion-Open vapour permeable membrane. When sealed at the overlaps and other appropriate building components, the PHS Roof 180gm2 membrane provides a windtight environment underneath resulting in optimum thermal performance of the insulation. 180gm² weight per m² .

Fitting Instructions

☒ Interior ☑ Exterior

The purpose of a breather membrane is to impurities from adversely affecting the building structure. In order to carry out this task without suffocating the building, they need to be breathable. If polythene was used, for example, as an external protection lining, then this would make a great barrier against adverse external environmental conditions, but naturally occurring moisture produced from within the building would quickly become trapped in the interstitial layers causing severe damage.

Application of breather membrane

lay the breather membrane parallel with the roof eaves – when installing breather membrane the printed side should face outwards. Make sure the bottom of the membrane is overlapping the eaves support tray or UV resistant membrane by at least 150mm, but not by so much that it will still be exposed when the roof tiles are laid.

Ensure draping occurs

The breathable roof membrane should drape slightly between the timber rafters or counter battens, meaning there is a dip of around 10-15mm. Once you've checked that this is the case, add temporary clout nails to the top of the membrane – try to ensure they are above the line at which the second length of membrane will overlap. When the tiles or slates are fitted they will provide a more secure fixing.

Continuation of application

Continue laying the lengths of breather membrane, working up the roof. Each manufacturer should state the amount of overlap required between each length of breather membrane. If the overlap does not co-inside with a timber batten, an additional batten can be installed to ensure the overlap remains, and to prevent the tiles from touching the membrane. These can be added across the top of the underlay, but the drape of the underlay must still exist to allow the rainwater to pass down the surface of the membrane. PHS Wolfy Joining Tape should be 200mm <25 degrees and 150mm >26. PHS Wolfy tape should be used to create a wind tight environment under the membrane.

OTHER CONSIDERATIONS

Ridge ventilation

If the roof includes ridge ventilation, the breather membrane must be cut on each side of the ridge to ensure the path of ventilation is still clear. If there is no ridge ventilation, the breather membrane should go over the ridge, and overlap each side of the ridge line by the required overlap.

Roof valleys

On roof valleys, ensure the breather membrane is extended by a minimum of 300mm on each side, measured from the centre of the valley. At abutments, the underlay should be turned up by at least 100mm – this will create a secondary water resistant barrier.

Roof verges

With wet verges, also known as verges that use mortar bedding as fixings, the breather roof membrane needs to lap onto the masonry by at least 50mm. When used with dry fix verges, the membrane needs to be laid so that it extends past the face of the gable.

Penetrations

For windows, soil pipes and other penetrations, cut the membrane and turn it so that it folds up against the penetration. If working with circular penetrations, cut the membrane with an Asterix shape to create flaps to fold upwards. If needed, tape the cut out sections to the penetration to prevent them from folding back down.

Other Products *(Used in Application)*

PHS Wolfy Tape

Vorbereitung von
For the durable bonding of roofing underlay, roofing membranes and façade membranes.

Accessories

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

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

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