

VARIABLE SURFACE DIFFUSION (VSD) MEMBRANE

DESCRIPTION

THERMOFLOC VSD Membrane is an airtight membrane with a variable s.d. that allows the membrane to act as an effective vapour control layer whilst allowing two way movement of water vapour as conditions allow.

APPLICATION

THERMOFLOC VSD Membrane provides air tightness whilst allowing effective moisture management. The membrane can be used internally as an air tight barrier and vapour control layer for internal walls and roof linings. The THERMOFLOC VSD Membrane should only be used on the warm side of the insulation.

THERMOFLOC VSD membrane is reinforced for increased tear resistance and can be used in conjunction with most insulation systems including TEHRMOFLOC cellulose insulation.

INSTALLATION

THERMOFLOC VSD Membrane is fastened to the supporting structure by stapling or gluing. The lining must be installed with the printed side facing inwards towards the room, i.e. with the fibrous side facing the thermal insulation. Ensure membrane layers are overlapped by 100mm. The solid line on the membrane provides a guide.

With THERMOFLOC blow-in insulation, it is possible to install the VSD Membrane lining in both a longitudinal as well as transverse direction. Should it be necessary to install it crosswise, the points where adhesive tape is used must be covered with continuous battening to prevent adhesive tape from becoming detached due to the blow-in pressure.

The areas to be sealed with tape or adhesive must be dry and free of grease, dust and silicone

PERFORMANCE DATA

Description	non-woven / reinforcement / speciality polymer
Weight	100 g/m ² ± 5%
Reaction to fire (Euroclass)	E
Resistance against water	W1
Water tightness at 2kPa	Pass
Water vapour transmission	s.d. 0.4 – 100
Tensile force, longitudinal	350 N/50 mm ± 20 N/50 mm
Tensile force, transverse	315 N/50 mm ± 20 N/50 mm
Elongation, longitudinal	20% ± 5%
Elongation, transverse	20% ± 5%
Tear resistance, longitudinal	350 N ± 25 N
Tear resistance, transverse	375 N ± 25 N
Durability against aging	Water vapour resistance Pass
Durability against alkali	Tensile force, longitudinal Pass
s.d. Expansion value	x250

SIZES

Length	Width	Area	Weight
50m	1.5m	75m ²	7.5kg
16.7m	1.5m	25m ²	2.5kg

USE WITH

				
TF-Blow-in Insulation	TF-Adhesive Tape 5 cm width	TF-Adhesive Tape 6 cm width	TF-Adhesive Tape 14,6 cm width	TF-Universal Adhesive Tape, 310 ml

TECHNICAL SUPPORT

For application advice or help with condensation risk analysis or U-value calculations please call us on **01768 486285**.