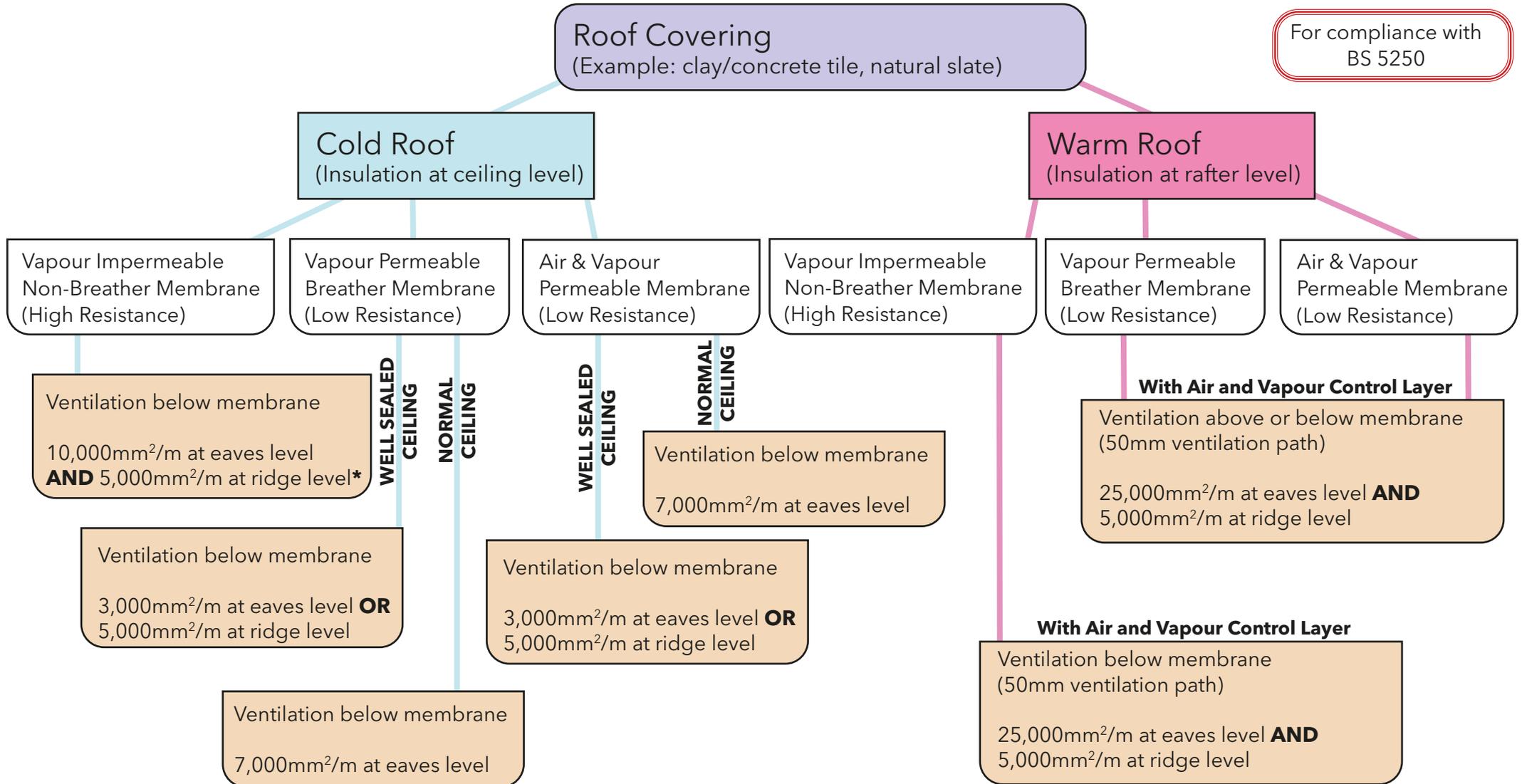


Roofing Membrane Guidance

Permeable Roof Covering



*Only required with pitches over 35°, across a 10m span, or with mono-pitch roofs

Roofing Membrane Guidance

Impermeable Roof Covering

For compliance with BS 5250

Roof Covering
(Example: artificial slate, metal sheeting, integrated solar panels (BIPV))

Cold Roof
(Insulation at ceiling level)

Warm Roof
(Insulation at rafter level)

Vapour Impermeable Non-Breather Membrane (High Resistance)

Vapour Permeable Breather Membrane (Low Resistance)

Air & Vapour Permeable Membrane (Low Resistance)

Vapour Impermeable Non-Breather Membrane (High Resistance)

Vapour Permeable Breather Membrane (Low Resistance)

Air & Vapour Permeable Membrane (Low Resistance)

No Counter Battens Required
Ventilation below membrane
10,000mm²/m at eaves level **AND**
5,000mm²/m at ridge level*

WELL SEALED CEILING

25mm Counter Battens Required
Ventilation above membrane
25,000mm²/m at eaves level **AND**
5,000mm²/m at ridge level
AND
Ventilation below membrane
7,000mm²/m at eaves level

WELL SEALED CEILING

No Counter Battens Required
Ventilation below membrane (50mm ventilation path)
25,000mm²/m at eaves level **AND**
5,000mm²/m at ridge level

No Counter Battens Required
Ventilation below membrane (50mm ventilation path)
25,000mm²/m at eaves level **AND**
5,000mm²/m at ridge level

25mm Counter Battens Required
Ventilation above membrane
25,000mm²/m at eaves level **AND**
5,000mm²/m at ridge level
AND
Ventilation below membrane
3000mm²/m at eaves level

25mm Counter Battens Required
Ventilation above membrane
25,000mm²/m at eaves level **AND**
5,000mm²/m at ridge level
AND
Ventilation below membrane
3000mm²/m at eaves level

25mm Counter Battens Required
Ventilation above membrane (50mm ventilation path)
25,000mm²/m at eaves level **AND**
5,000mm²/m at ridge level

*Only required with pitches over 35°, across a 10m span, or with mono-pitch roofs