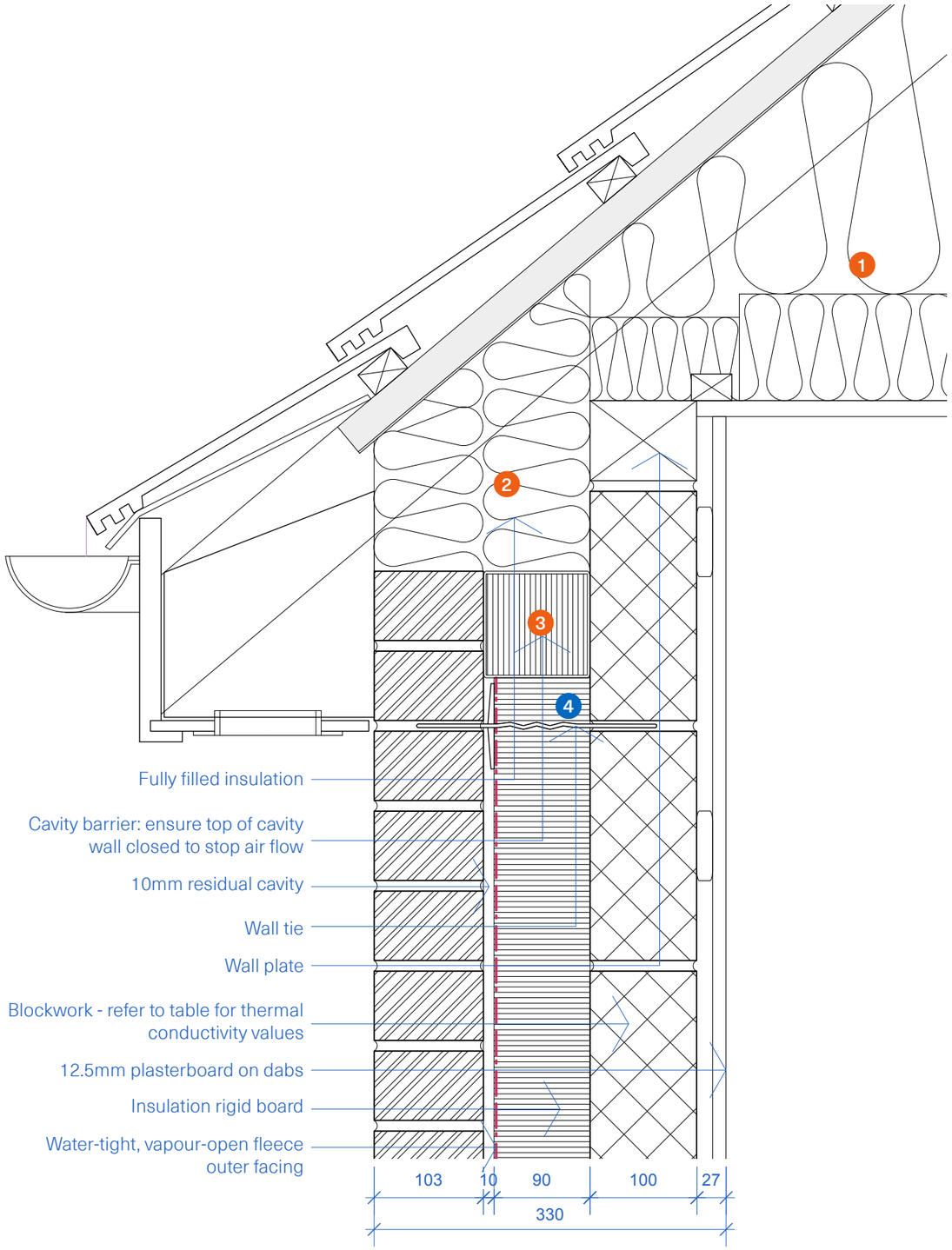
Construction Detail



Calculated Ψ (Psi) value for use in SAP Calculation

	Internal leaf block thermal conductivity (W/mK)					
Insulation thermal conductivity (W/mK)	0.11	0.15	0.19	0.28	0.6	1.33
0.019	**0.056**	**0.060**	**0.063**	**0.067**	**0.073**	**0.078**
0.022	**0.052**	**0.056**	**0.059**	**0.062**	**0.068**	**0.072**

f-values: 0.919 - 0.933 (values above 0.75 indicate low risk of condensation and mould)

Ψ (Psi) value Thermal Compliance Notes

1. 400mm insulation quilt (0.044 W/mK), minimum roof pitch 40°.
2. Ensure continuity of insulation between the loft and external wall.
3. Horizontal/vertical cavity barriers need to be fixed in accordance with manufacturers guidelines.
   If fixing spikes are used, they should be installed at the required centres.
   For compression fit cavity barriers, use the correct size for a compressive fit in the cavity.

Construction Notes

4. Wall tie: 225mm maximum distance from opening. No greater than 450mm spacing.
   Only use insulation retaining clips that are compatible with the wall tie.

General Notes

The cavity must be closed at the top of the wall for the provisions of Diagram 5.3 ADBv1 to apply.

Maintain clear separation of components to prevent congestion within the cavity and mortar joints.