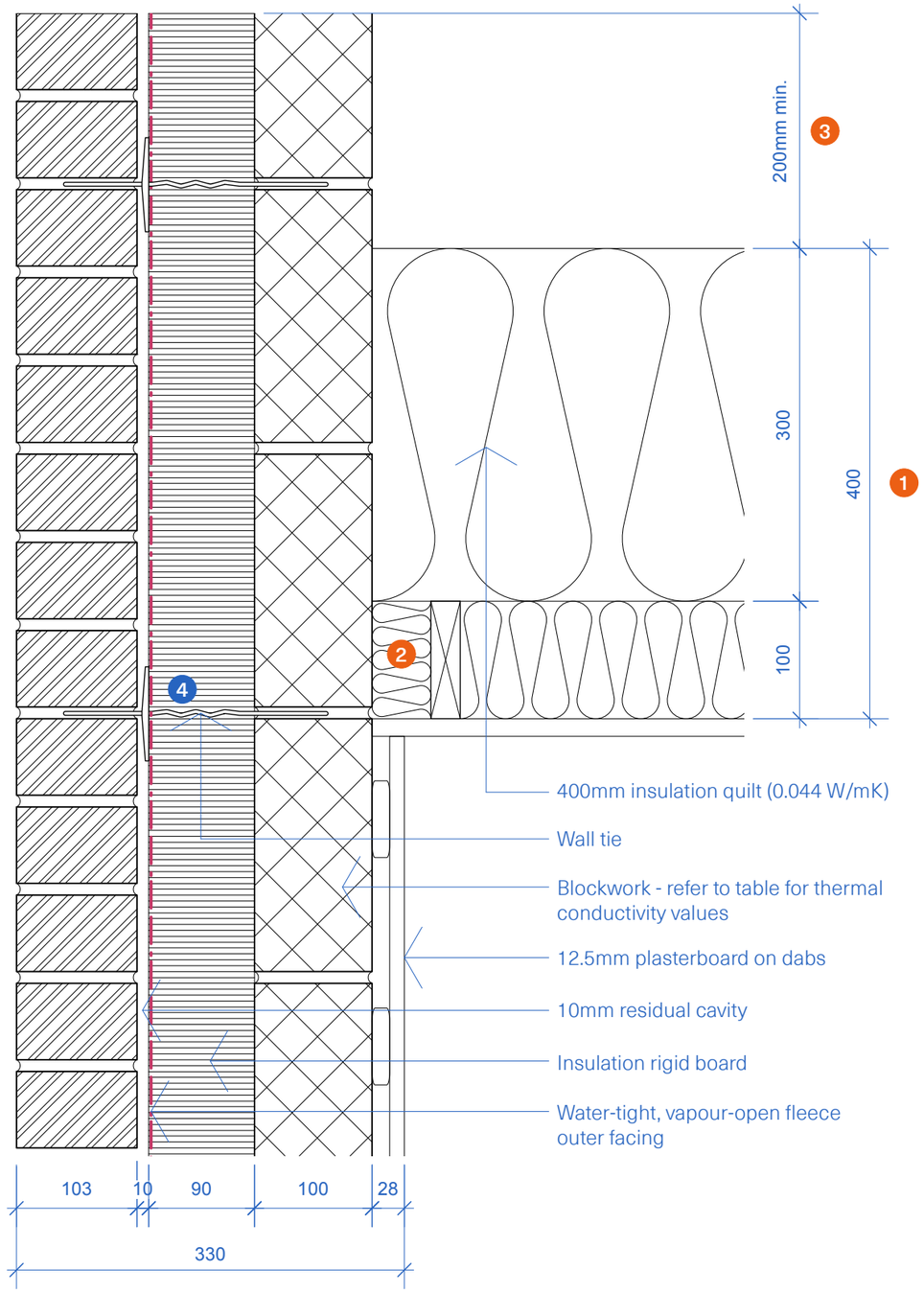
Construction Detail



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	**0.028**	**0.035**	**0.041**	**0.055**	**0.096**	**0.174**
0.022	**0.030**	**0.036**	**0.043**	**0.056**	**0.097**	**0.174**

f-values: 0.868 - 0.942 (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).
2. Fill the space between the wall and joist with insulation.
3. Continue cavity insulation up at least 200mm above the top of the loft insulation.

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 Diagrams 5.3 and 8.1 ADBv1 to apply.