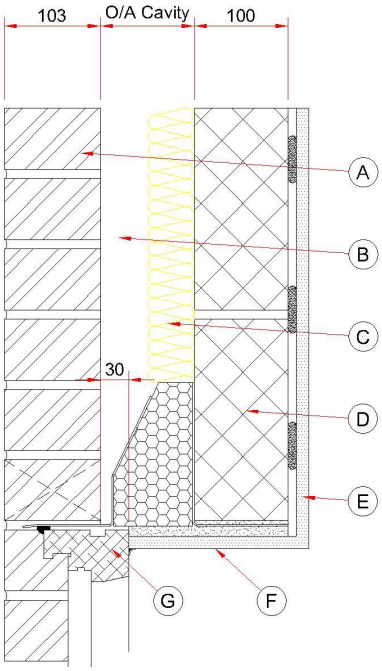
Catnic Thermally Broken Lintel psi Value Data Sheet



	Materials	Thickness (mm)	λ Value (W/m.K)
A	Brick	103	0.77
B	Residual Cavity	50	0.2778
C	Insulation	See below	
D	Blockwork	100	See below
E	Plasterboard on	12.5	0.19
	Dabs + Air Space	10.0	0.09
F	Plasterboard	12.5	0.19
	+ Adhesive	10.0	0.09
G	Window frame	~	~
Lintel	Steel	~	52
	Insulation	~	0.034
Comment: Continuous band of adhesive to soffit area			

Cavity Width	150 mm
Cavity Type	Partial Fill
Insulation Conductivity	0.022 W/mK
Blockwork Conductivity	1.33 W/mK

Lintel Type	psi Value (W/mK)	Temperature Factor
TS150/100 (Standard Duty)	0.028	0.938
TX150/100 (Extra Heavy Duty)	0.027	0.945

To limit the risk of surface condensation or mould growth the temperature factor for a detail used in the external wall of a dwelling must be greater than 0.75.

All calculations have been carried out following the conventions set out in BR 497.

Data Sheet Reference: **150PF0.0221.33**

19/03/2025