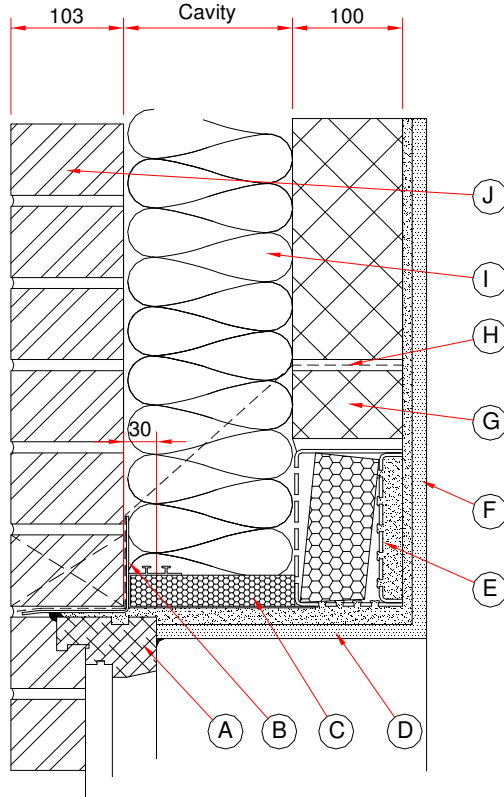


Catnic Lintel Psi values (5-2-15) Separate Lintels Full Fill cavity Wall Construction



Materials	Thickness (mm)	λ Value (W/m.K)	
(A) Window frame	~	~	
(B) Catnic ANG Lintel			
(C) Insulated PVC-U Cavity Closer			
(D) Plasterboard + Adhesive	12.5 10.0	0.19 0.09	
(E) Catnic Insulated Box Lintel			
(F) Plasterboard on Dabs + Air Space	12.5 10.0	0.19 0.09	
(G) Blockwork	100	0.11	
(H) DPC Tray	0.8	0.24	
(I) Insulation	See Table	0.037	
(J) Brick	103	0.077	
Lintel	Steel Insulation	~ ~	52 0.038
Comment:	Continuous band of adhesive to soffit area		

Cavity (mm)	Psi value (W/m.K)
100	0.010
125	0.016
150	0.020

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. The above details all have temperatures factors greater than 0.9.

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

Catnic

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