## www.cavitytherm.com

# **Thermal Bridging Opening - Concrete forward sill** ACD CODE 1.26

**Example House:** 



### **ACD Identified:**









## **Accredited Detail:**



Xtratherm PSI Values
CavityTherm CT/P
PSI Value Ψ (W/mk)
Temperature Factor $(f)$
U-Value (W/m²k)
*Using Dense blocks
Checklist:
hermal Performance
Ensure CT/PIR IS S
Install proprietary of
the closer of not le
Ensure minimum 5
ir Barrier - Continuity
Seal all penetratic
Apply flexible sea
and between sill k
Ensure air barrier
If forming the wal
blockwork wall.
General Notes:

Y Value Calculation Table					
Total Envelope Area	356.160				
Junction	L		Ψ		LxΨ
Lintels	17.840	×	0.001	=	0.02
Sill	15.080	x	0.036	=	0.54
Jamb with return block	48.370	×	0.030	=	1.45
Ground Floor	39.200	×	0.165	=	6.47
Intermediate Floor within a dwelling	39.200	×	0.001	=	0.04
Sloped (Insulation at eaves)	29.600	×	0.034	=	1.01
Sloped (Insulation at gables)	13.440	×	0.071	=	0.95
Corner (Normal)	19.400	×	0.035	=	0.68
			Total	=	11.16
	L x Ψ/ Total Area			=	0.0313

See www.cavitytherm.com for resources and tools to complete a Y-value calculation.

Using Accredited Details*					
IR	125mm	150mm			
	0.036	0.028			
	0.949	0.943			
	0.16	0.13			

- ecured firmly against inner leaf of cavity wall.
- vity closer with minimum thermal resistance through s than 0.45  $M^2k/w$ .
- mm PIR XT/STR strip installed behind sill.

- s through air barrier using a flexible sealant.
- nt to all junctions between plaster/plasterboard and sill board, ard and window frame.
- continuity between the window and the wall air barrier line.
- ir barrier with blockwork inner leaf or with scratch coat Il a flexible sealant between the cavity closer and the

#### Keep cavities clean of mortar snots and other debris during construction.

