06 April 2010

Linear Thermal Transmittance (Ψ)

and Temperature Factor (*f*)

Summary Sheet 2

Required Details for "Psi" values (Linear Thermal Bridging)

Numerical modelling by c4ci Ltd. For Besblock Limited.

For houses with - Full fill cavity insulation at λ = 0.040 W/K.m
103mm brick/ 100mm MW full-fill/ 100mm Star Performer Inner Leaf

Details					Psi Values			Temperature Factor
Accredited Code	**Description**	**Cert. No.**		**Detail Calculated**	**Initial Ψ**	Accredited	Improvement	**Initial *f***
MCI-GF-01	Ground Floor, Insulation above Slab, Timber Finish.	C4TM- 000285	Rev. 0	✓	0.120	0.160	25.0%	0.815
MCI-GF-02	Ground Floor, Insulation Below Slab, Concrete/Screed Finish	C4TM- 000286	Rev. 0	✓	0.130	0.160	18.8%	0.867
MCI-GF-03	Ground Floor, Timber Suspended Floor.	C4TM- 000287	Rev. 0	✓	0.139	0.160	13.0%	0.816
MCI-IF-01	Intermediate Floor, Concrete. (Between Dwelling)	C4TM- 000288	Rev. 0	✓	0.119	0.140	15.0%	0.952
MCI-IF-02	Intermediate Floor, Timber. (Within Dwelling)	C4TM- 000289	Rev. 0	✓	0.000	0.070	100.0%	0.955
MCI-RE-01	Roof Eaves, Insulation @ Cieling, Ventilated Loft.	C4TM- 000290	Rev. 0	✓	0.066	0.060	-10.1%	0.957
MCI-RG-01	Roof Gable, Pitched Roof, Insulation @ Ceiling	C4TM- 000291	Rev. 0	✓	0.089	0.240	62.9%	0.848
MCI-WD-01	Windows and Doors. Steel Lintels.	C4TM- 000292	Rev. 0	✓	0.494	0.500	1.2%	0.688
MCI-WD-02	Windows and Doors. Independent Lintels.	C4TM- 000293	Rev. 0	✓	0.022	0.300	92.7%	0.900
MCI-WD-03	Windows and Doors. Other Lintels.	C4TM- 000294	Rev. 0	✓	0.301	0.300	-0.3%	0.847
MCI-WD-04	Windows and Doors. Cills.	C4TM- 000295	Rev. 0	✓	0.010	0.050	80.0%	0.925
MCI-WD-05	Windows and Doors. Jambs.	C4TM- 000296	Rev. 0	✓	0.020	0.040	50.0%	0.892
No Spec'd Detail	External Corner	C4TM- 000297	Rev. 0	✓	0.069	0.090	23.3%	0.912
No Spec'd Detail	Internal Corner	C4TM- 000298	Rev. 0	✓	-0.128	-0.090	-42.2%	0.961
MCI-IW-01	Party Wall	C4TM- 000299	Rev. 0	✓	0.091	0.060	-51.7%	0.953

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