

06 April 2010  
 Linear Thermal Transmittance ( $\Psi$ )  
 and Temperature Factor ( $f$ )

Summary Sheet 1



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

Numerical modelling by c4ci Ltd. For Besblock Limited.

For houses with -

103mm brick/ 100mm MW full-fill/ 100mm Star Performer Inner Leaf

Details		Psi Values					Temperature Factor	
<u>Accredited Code</u>	<u>Description</u>	<u>Cert. No.</u>	<u>Detail Calculated</u>	<u>Initial <math>\Psi</math></u>	Accredited	Improvement	<u>Initial <math>f</math></u>	
MCI-GF-01	Ground Floor, Insulation above Slab, Timber Finish.	C4TM-000089	Rev. 1	✓	0.121	0.160	24.4%	0.815
MCI-GF-02	Ground Floor, Insulation Below Slab, Concrete/Screened Finish	C4TM-000090	Rev. 1	✓	0.131	0.160	18.1%	0.867
MCI-GF-03	Ground Floor, Timber Suspended Floor.	C4TM-000091	Rev. 1	✓	0.160	0.160	0.0%	0.816
MCI-IF-01	Intermediate Floor, Concrete. (Between Dwelling)	C4TM-000092	Rev. 1	✓	0.107	0.140	23.6%	0.952
MCI-IF-02	Intermediate Floor, Timber. (Within Dwelling)	C4TM-000093	Rev. 1	✓	0.000	0.070	100.0%	0.955
MCI-RE-01	Roof Eaves, Insulation @ Ceiling, Ventilated Loft.	C4TM-000094	Rev. 1	✓	0.074	0.060	-23.3%	0.957
MCI-RG-01	Roof Gable, Pitched Roof, Insulation @ Ceiling	C4TM-000096	Rev. 1	✓	0.084	0.240	64.9%	0.848
MCI-WD-01	Windows and Doors. Steel Lintels.	C4TM-000098	Rev. 1	✓	0.499	0.500	0.2%	0.688
MCI-WD-02	Windows and Doors. Independent Lintels.	C4TM-000099	Rev. 1	✓	0.020	0.300	93.3%	0.900
MCI-WD-03	Windows and Doors. Other Lintels.	C4TM-000100	Rev. 1	✓	0.305	0.300	-1.7%	0.847
MCI-WD-04	Windows and Doors. Gills.	C4TM-000101	Rev. 1	✓	0.009	0.050	82.0%	0.925
MCI-WD-05	Windows and Doors. Jambes.	C4TM-000102	Rev. 1	✓	0.019	0.040	52.5%	0.892
No Spec'd Detail	External Corner	C4TM-000103	Rev. 1	✓	0.064	0.090	28.9%	0.912
No Spec'd Detail	Internal Corner	C4TM-000104	Rev. 1	✓	-0.117	-0.090	-30.0%	0.961
No Spec'd Detail	Party Wall	C4TM-000105	Rev. 1	✓	0.096	0.060	-60.0%	0.953

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Prepared by: Matthew Wright MA Physics (Oxon)