THERMAL BRIDGING TABLES

Summary of Psi values using Unilin Insulation products and must be used in conjunction with the certificates and drawings. The calculations have been completed using Unilin ACDs. Any change to the materials specified would alter the results achieved and would invalidate the information contained herein. Specification and results should be verified before installation. To this extent the information and/or specification resulting is to the best of our knowledge accurate, however we specifically exclude and liability for errors, omissions or otherwise arising therefrom.

				CavityFill XT/CF Fulfil PIR System			
Ref	Junction detail applicable to the whole junction and Unilin Insulation certificate number	Default psi value (W/mK)	Inner Block (W/mK)	90mm	100mm	115mm	140mm
E2	Other lintels (including other steel lintels) - Separated lintel with Cavity Close-R - Certificate No. UI-XTCF-E2-WD-02	1.00	0.11	0.020	0.020	0.021	0.023
			0.15	0.019	0.020	0.021	0.023
			0.19	0.019	0.020	0.021	0.023
			0.31	0.018	0.019	0.021	0.023
			0.57	0.018	0.019	0.020	0.022
			1.13	0.018	0.019	0.020	0.022
E2	Other lintels (including other steel lintels) - Separated lintel with Cavity Close-R (Checked) - Certificate No. UI-XTCF-E2-WDC-02	1.00	0.11	0.007	0.007	0.008	0.009
			0.15	0.007	0.007	0.008	0.009
			0.19	0.007	0.007	0.008	0.009
			0.31	0.006	0.006	0.007	0.009
			0.57	0.006	0.006	0.007	0.009
			1.13	0.005	0.006	0.007	0.008
E2	Other lintels (including other steel lintels) - Keystone Hi-Therm - Certificate No. UI-XTCF-E2-WD-03	1.00	0.11	0.035	0.042	0.043	0.050
			0.15	0.034	0.042	0.042	0.050
			0.19	0.033	0.041	0.042	0.049
			0.31	0.032	0.041	0.041	0.049
			0.57	0.031	0.041	0.041	0.049
			1.13	0.031	0.040	0.040	0.049
E2	Other lintels (including other steel lintels) - Keystone Hi-Therm (Checked) - Certificate No. UI-XTCF-E2-WDC-03	1.00	0.11	0.034	0.035	0.042	0.059
			0.15	0.034	0.035	0.041	0.059
			0.19	0.034	0.035	0.041	0.059
			0.31	0.033	0.035	0.041	0.059
			0.57	0.033	0.035	0.041	0.059
			1.13	0.033	0.035	0.041	0.060
E3	Sill - PVC sill with Cavity Close-R - Certificate No. UI-XTCF-E3-WD-04	0.10	0.11	0.016	0.017	0.018	0.021
			0.15	0.016	0.017	0.018	0.020
			0.19	0.016	0.017	0.018	0.020
			0.31	0.015	0.016	0.018	0.020
			0.57	0.015	0.016	0.018	0.020
			1.13	0.015	0.016	0.017	0.020
E3	Sill - PVC sill with Cavity Close-R (Checked) - Certificate No. UI-XTCF-E3-WDC-04	0.10	0.11	0.003	0.004	0.005	0.007
			0.15	0.003	0.004	0.005	0.006
			0.19	0.003	0.004	0.005	0.006
			0.31	0.003	0.003	0.004	0.006
			0.57	0.003	0.003	0.004	0.006
			1.13	0.003	0.003	0.004	0.006
E3	Sill - Concrete sill with Cavity Close-R (Checked) - Certificate No. UI-XTCF-E3-WDC- CON-04	0.10	0.11	0.025	0.023	0.021	0.020
			0.15	0.026	0.023	0.021	0.020
			0.19	0.026	0.024	0.021	0.020
			0.31	0.027	0.024	0.022	0.020
			0.57	0.028	0.025	0.022	0.020
			1.13	0.029	0.025	0.022	0.020
E4	Jamb - with Cavity Close-R - Certificate No. UI-XTCF-E4-WD-05	0.10	0.11	0.018	0.019	0.020	0.023
			0.15	0.018	0.019	0.020	0.022
			0.19	0.017	0.018	0.020	0.022
			0.31	0.017	0.018	0.020	0.022
			0.57	0.017	0.018	0.019	0.022
			1.13	0.017	0.018	0.019	0.022

CavityFill XT/CF Fulfil PIR System

Ref	Junction detail applicable to the whole junction and Unilin Insulation certificate number	Default psi value (W/mK)	Inner Block (W/mK)	90mm	100mm	115mm	140mm
E4	Jamb - with checked reveal and Cavity Close-R - Certificate No. UI-XTCF-E4-WD-06	0.10	0.11	0.004	0.003	0.002	0.002
			0.15	0.004	0.003	0.002	0.001
			0.19	0.004	0.003	0.002	0.001
			0.31	0.003	0.003	0.002	0.001
			0.57	0.003	0.003	0.002	0.001
			1.13	0.003	0.003	0.002	0.001
E5	Ground Floor (normal) - ground bearing slab with XT-HYF 100mm insulation under screed - Certificate No. UI-XTCF-E5-GF-01	0.32	0.11	0.054	0.053	0.053	0.052
			0.15	0.059	0.059	0.059	0.057
			0.19	0.065	0.064	0.063	0.063
			0.31	0.079	0.079	0.079	0.078
			0.57	0.109	0.109	0.108	0.108
			1.13	0.167	0.167	0.168	0.168
E5	Ground Floor (normal) - ground bearing slab with XT-HYF 125mm insulation under screed - Certificate No. UI-XTCF-E5-GF-01	0.32	0.11	0.053	0.052	0.052	0.052
			0.15	0.059	0.058	0.058	0.057
			0.19	0.064	0.063	0.063	0.062
			0.31	0.079	0.079	0.079	0.079
			0.57	0.109	0.109	0.108	0.109
			1.13	0.168	0.169	0.169	0.170
E5	Ground Floor (normal) - ground bearing slab with XT-HYF 150mm insulation under screed - Certificate No. UI-XTCF-E5-GF-01	0.32	0.11	0.053	0.052	0.052	0.051
			0.15	0.058	0.058	0.058	0.056
			0.19	0.064	0.063	0.063	0.062
			0.31	0.079	0.079	0.079	0.079
			0.57	0.109	0.109	0.108	0.109
			1.13	0.168	0.169	0.170	0.170
E5	Ground Floor (normal) - ground bearing slab with XT-HYF 100mm insulation under slab - Certificate No. UI-XTCF-E5-GF-02	0.32	0.11	0.068	0.067	0.066	0.065
			0.15	0.074	0.073	0.072	0.071
			0.19	0.080	0.079	0.078	0.077
			0.31	0.097	0.096	0.096	0.095
			0.57	0.129	0.128	0.127	0.128
			1.13	0.191	0.191	0.192	0.191
E5	Ground Floor (normal) - ground bearing slab with XT-HYF 125mm insulation under slab - Certificate No. UI-XTCF-E5-GF-02	0.32	0.11	0.068	0.067	0.066	0.065
			0.15	0.074	0.074	0.072	0.071
			0.19	0.080	0.079	0.078	0.077
			0.31	0.097	0.096	0.096	0.095
			0.57	0.129	0.128	0.127	0.128
			1.13	0.191	0.191	0.192	0.192
E5	Ground Floor (normal) - ground bearing slab with XT-HYF 150mm insulation under slab - Certificate No. UI-XTCF-E5-GF-02	0.32	0.11	0.068	0.068	0.067	0.066
			0.15	0.075	0.075	0.074	0.073
			0.19	0.082	0.081	0.081	0.080
			0.31	0.100	0.099	0.099	0.099
			0.57	0.132	0.132	0.131	0.132
			1.13	0.195	0.196	0.196	0.197
E5	Ground Floor (normal) - block and beam floor with XT-HYF 100mm insulation under slab - Certificate No. UI-XTCF-E5-GF-B&B	0.32	0.11	0.042	0.042	0.043	0.043
			0.15	0.049	0.050	0.050	0.050
			0.19	0.057	0.057	0.057	0.058
			0.31	0.075	0.075	0.076	0.078
			0.57	0.107	0.107	0.107	0.110
			1.13	0.164	0.166	0.168	0.170
E5	Ground Floor (normal) - block and beam floor with XT-HYF 125mm insulation under slab - Certificate No. UI-XTCF-E5-GF-B&B	0.32	0.11	0.042	0.042	0.043	0.043
			0.15	0.049	0.050	0.050	0.050
			0.19	0.057	0.059	0.057	0.058
			0.31	0.075	0.075	0.076	0.078
			0.57	0.107	0.107	0.107	0.110
			1.13	0.165	0.167	0.169	0.171
E5	Ground Floor (normal) - block and beam floor with XT-HYF 150mm insulation under slab - Certificate No. UI-XTCF-E5-GF-B&B	0.32	0.11	0.045	0.045	0.045	0.045
			0.15	0.052	0.052	0.053	0.052
			0.19	0.059	0.059	0.059	0.060
			0.31	0.077	0.078	0.078	0.079
			0.57	0.109	0.109	0.110	0.112
			1.13	0.168	0.170	0.172	0.174
E6	Intermediate floor within a dwelling - with concrete floor - Certificate No. UI-XTCF-E6-IF-01	0.14	0.11	0.007	0.006	0.005	0.004
			0.15	0.006	0.005	0.004	0.003
			0.19	0.006	0.005	0.004	0.003
			0.31	0.004	0.004	0.003	0.002
			0.57	0.003	0.003	0.002	0.002
			1.13	0.003	0.002	0.002	0.001
E6	Intermediate floor within a dwelling - with timber joists - Certificate No. UI-XTCF-E6-IF-02	0.14	0.11	0.001	0.001	0.001	0.001
			0.15	0.001	0.001	0.001	0.001
			0.19	0.002	0.001	0.001	0.001
			0.31	0.002	0.001	0.001	0.001
			0.57	0.002	0.002	0.001	0.001
			1.13	0.002	0.002	0.001	0.001

CavityFill XT/CF Fulfil PIR System

Ref	Junction detail applicable to the whole junction and Unilin Insulation certificate number	Default psi value (W/mK)	Inner Block (W/mK)	90mm	100mm	115mm	140mm
E7	Party floor between dwellings (in blocks of flats) - with concrete floor - Certificate No. UI-XTCF-E7-IF-01	0.28	0.11	0.037*	0.034*	0.030*	0.025*
			0.15	0.037*	0.034*	0.030*	0.025*
			0.19	0.037*	0.034*	0.030*	0.025*
			0.31	0.037*	0.034*	0.030*	0.025*
			0.57	0.037*	0.034*	0.030*	0.025*
			1.13	0.037*	0.034*	0.030*	0.025*
E7	Party floor between dwellings (in blocks of flats) - with timber joists - Certificate No. UI-XTCF-E7-IF-02	0.28	0.11	0.028*	0.026*	0.023*	0.020*
			0.15	0.028*	0.026*	0.023*	0.020*
			0.19	0.029*	0.027*	0.024*	0.020*
			0.31	0.030*	0.027*	0.024*	0.021*
			0.57	0.031*	0.028*	0.025*	0.021*
			1.13	0.031*	0.029*	0.026*	0.022*
E10	Eaves (insulation at ceiling level) - with 300mm mineral wool (0.040W/mK) - Certificate No. UI-XTCF-E10-RE-01	0.12	0.11	0.048	0.047	0.047	0.046
			0.15	0.049	0.048	0.048	0.047
			0.19	0.049	0.049	0.048	0.048
			0.31	0.051	0.050	0.050	0.049
			0.57	0.053	0.052	0.051	0.051
			1.13	0.054	0.054	0.053	0.052
E10	Eaves (insulation at ceiling level) - with 400mm mineral wool (0.040W/mK) - Certificate No. UI-XTCF-E10-RE-02	0.12	0.11	0.052	0.051	0.051	0.051
			0.15	0.053	0.052	0.052	0.051
			0.19	0.054	0.053	0.052	0.052
			0.31	0.055	0.055	0.054	0.053
			0.57	0.057	0.056	0.055	0.055
			1.13	0.059	0.058	0.057	0.056
E10	Eaves (insulation at ceiling level) - with 450mm mineral wool (0.040W/mK) - Certificate No. UI-XTCF-E10-RE-03	0.12	0.11	0.054	0.054	0.053	0.053
			0.15	0.055	0.055	0.054	0.054
			0.19	0.056	0.055	0.055	0.055
			0.31	0.058	0.057	0.056	0.056
			0.57	0.059	0.059	0.058	0.057
			1.13	0.061	0.060	0.059	0.059
E11	Sloped roof and wall junction with 100mm Unilin Insulation between the rafters and 25mm to the underside - U-Value 0.18W/m²K - Certificate No. UI-XTCF-E11-RE-03	0.15	0.11	0.057	0.059	0.061	0.063
			0.15	0.058	0.060	0.062	0.063
			0.19	0.059	0.060	0.062	0.064
			0.31	0.060	0.062	0.064	0.066
			0.57	0.061	0.064	0.065	0.067
			1.13	0.063	0.065	0.067	0.068
E11	Sloped roof and wall junction with 125mm Unilin Insulation between the rafters and 25mm to the underside - U-Value 0.16W/m²K - Certificate No. UI-XTCF-E11-RE-03	0.15	0.11	0.052	0.053	0.055	0.058
			0.15	0.052	0.054	0.056	0.058
			0.19	0.054	0.055	0.056	0.059
			0.31	0.054	0.056	0.058	0.060
			0.57	0.055	0.057	0.058	0.061
			1.13	0.057	0.058	0.060	0.062
E11	Sloped roof and wall junction with 125mm Unilin Insulation between the rafters and 50mm to the underside - U-Value 0.13W/m²K - Certificate No. UI-XTCF-E11-RE-03	0.15	0.11	0.052	0.053	0.055	0.056
			0.15	0.052	0.053	0.056	0.057
			0.19	0.054	0.054	0.056	0.058
			0.31	0.055	0.055	0.058	0.059
			0.57	0.056	0.057	0.059	0.060
			1.13	0.058	0.058	0.060	0.061
E11	Sloped roof and wall junction with 150mm Unilin Insulation between the rafters and 60mm to the underside - U-Value 0.11W/m²K - Certificate No. UI-XTCF-E11-RE-03	0.15	0.11	0.049	0.050	0.052	0.052
			0.15	0.050	0.051	0.052	0.053
			0.19	0.051	0.051	0.053	0.054
			0.31	0.052	0.053	0.054	0.055
			0.57	0.053	0.054	0.055	0.056
			1.13	0.055	0.055	0.057	0.057
E12	Gable (insulation at ceiling level) - with 300mm mineral wool (0.040W/mK) - Certificate No.UI-XTCF-E12-RG-01	0.25	0.11	0.056	0.055	0.055	0.054
			0.15	0.063	0.062	0.062	0.061
			0.19	0.070	0.069	0.068	0.068
			0.31	0.088	0.088	0.088	0.087
			0.57	0.121	0.121	0.121	0.121
			1.13	0.191	0.192	0.192	0.194
E12	Gable (insulation at ceiling level) - with 400mm mineral wool (0.040W/mK) - Certificate No. UI-XTCF-E12-RG-01	0.25	0.11	0.052	0.051	0.050	0.049
			0.15	0.058	0.057	0.056	0.055
			0.19	0.064	0.063	0.062	0.060
			0.31	0.080	0.079	0.078	0.077
			0.57	0.108	0.108	0.107	0.106
			1.13	0.170	0.170	0.170	0.170
E12	Gable (insulation at ceiling level) - with 450mm mineral wool (0.040W/mK) - Certificate No. UI-XTCF-E12-RG-01	0.25	0.11	0.051	0.050	0.049	0.047
			0.15	0.057	0.056	0.054	0.053
			0.19	0.062	0.061	0.060	0.058
			0.31	0.077	0.076	0.075	0.073
			0.57	0.104	0.103	0.102	0.101
			1.13	0.162	0.162	0.161	0.161

*Psi (Ψ) applied to each dwelling

CavityFill XT/CF Fulfil PIR System

Ref	Junction detail applicable to the whole junction and Unilin Insulation certificate number	Default psi value (W/mK)	Inner Block (W/mK)	90mm	100mm	115mm	140mm
E13	Sloped roof and gable wall junction with 100mm Unilin Insulation between the rafters and 25mm to the underside - U-Value 0.18W/m²K - Certificate No. UI-XTCF-E13-RG-03	0.25	0.11	0.068	0.069	0.069	0.070
			0.15	0.071	0.071	0.072	0.073
			0.19	0.073	0.073	0.074	0.075
			0.31	0.077	0.078	0.078	0.079
			0.57	0.082	0.082	0.082	0.083
			1.13	0.087	0.087	0.087	0.087
E13	Sloped roof and gable wall junction with 125mm Unilin Insulation between the rafters and 25mm to the underside - U-Value 0.16W/m²K - Certificate No. UI-XTCF-E13-RG-03	0.25	0.11	0.067	0.067	0.067	0.068
			0.15	0.070	0.070	0.070	0.071
			0.19	0.072	0.072	0.073	0.073
			0.31	0.078	0.078	0.078	0.078
			0.57	0.083	0.083	0.082	0.083
			1.13	0.087	0.087	0.087	0.087
E13	Sloped roof and gable wall junction with 125mm Unilin Insulation between the rafters and 50mm to the underside- U-Value 0.13W/m²K - Certificate No. UI-XTCF-E13-RG-03	0.25	0.11	0.060	0.060	0.060	0.060
			0.15	0.063	0.063	0.063	0.064
			0.19	0.066	0.066	0.066	0.066
			0.31	0.072	0.072	0.072	0.072
			0.57	0.079	0.079	0.079	0.079
			1.13	0.087	0.087	0.086	0.086
E13	Sloped roof and gable wall junction with 150mm Unilin Insulation between the rafters and 60mm to the underside - U-Value 0.11W/m²K - Certificate No. UI-XTCF-E13-RG-03	0.25	0.11	0.055	0.055	0.055	0.055
			0.15	0.059	0.059	0.058	0.058
			0.19	0.061	0.061	0.061	0.061
			0.31	0.067	0.067	0.067	0.066
			0.57	0.074	0.073	0.073	0.072
			1.13	0.081	0.080	0.080	0.079
E14	Flat Roof - with 120mm FR/ALU - Certificate No. UI-XTCF-E14-RF-01	0.16	0.11	0.046	0.045	0.044	0.043
			0.15	0.047	0.046	0.045	0.043
			0.19	0.048	0.047	0.046	0.044
			0.31	0.049	0.048	0.047	0.045
			0.57	0.051	0.050	0.048	0.046
			1.13	0.052	0.051	0.049	0.047
E14	Flat Roof - with 140mm FR/ALU - Certificate No. UI-XTCF-E14-RF-01	0.16	0.11	0.046	0.046	0.044	0.043
			0.15	0.047	0.046	0.045	0.043
			0.19	0.048	0.047	0.046	0.044
			0.31	0.049	0.048	0.047	0.045
			0.57	0.051	0.050	0.048	0.046
			1.13	0.052	0.051	0.049	0.047
E14	Flat Roof - with 160mm FR/ALU - Certificate No. UI-XTCF-E14-RF-01	0.16	0.11	0.046	0.046	0.044	0.043
			0.15	0.047	0.046	0.045	0.043
			0.19	0.048	0.047	0.046	0.044
			0.31	0.049	0.048	0.047	0.045
			0.57	0.051	0.050	0.048	0.046
			1.13	0.052	0.051	0.049	0.047
E14	Flat Roof - with 200mm FR/ALU - Certificate No. UI-XTCF-E14-RF-01	0.16	0.11	0.047	0.046	0.044	0.043
			0.15	0.047	0.046	0.045	0.043
			0.19	0.048	0.047	0.046	0.044
			0.31	0.049	0.048	0.047	0.045
			0.57	0.051	0.050	0.048	0.045
			1.13	0.052	0.051	0.049	0.046
E14	Flat Roof - with 120mm FR/BGM - Certificate No.UI-XTCF-E14-RF-02	0.16	0.11	0.046	0.046	0.044	0.043
			0.15	0.047	0.046	0.045	0.043
			0.19	0.048	0.047	0.046	0.044
			0.31	0.049	0.048	0.047	0.045
			0.57	0.051	0.050	0.048	0.046
			1.13	0.052	0.051	0.049	0.047
E14	Flat Roof - with 140mm FR/BGM - Certificate No.UI-XTCF-E14-RF-02	0.16	0.11	0.047	0.046	0.045	0.043
			0.15	0.048	0.047	0.045	0.044
			0.19	0.048	0.047	0.046	0.044
			0.31	0.050	0.049	0.047	0.045
			0.57	0.051	0.050	0.048	0.046
			1.13	0.052	0.051	0.049	0.047
E14	Flat Roof - with 160mm FR/BGM - Certificate No.UI-XTCF-E14-RF-02	0.16	0.11	0.047	0.046	0.045	0.043
			0.15	0.048	0.047	0.046	0.044
			0.19	0.048	0.047	0.046	0.044
			0.31	0.050	0.049	0.047	0.045
			0.57	0.051	0.050	0.048	0.046
			1.13	0.052	0.051	0.049	0.047
E14	Flat Roof - with 220mm FR/BGM - Certificate No.UI-XTCF-E14-RF-02	0.16	0.11	0.047	0.046	0.045	0.043
			0.15	0.048	0.047	0.046	0.044
			0.19	0.049	0.048	0.046	0.044
			0.31	0.050	0.049	0.047	0.045
			0.57	0.051	0.050	0.048	0.046
			1.13	0.052	0.051	0.049	0.047

CavityFill XT/CF Fulfil PIR System

Ref	Junction detail applicable to the whole junction and Unilin Insulation certificate number	Default psi value (W/mK)	Inner Block (W/mK)	90mm	100mm	115mm	140mm
E15	Flat Roof with Parapet - with 120mm FR/ALU - Certificate No. UI-XTCF-E15-RF-01	0.30	0.11	0.082	0.079	0.076	0.072
			0.15	0.089	0.086	0.083	0.079
			0.19	0.096	0.093	0.090	0.086
			0.31	0.113	0.110	0.107	0.103
			0.57	0.144	0.141	0.138	0.135
			1.13	0.208	0.206	0.204	0.202
E15	Flat Roof with Parapet - with 140mm FR/ALU - Certificate No. UI-XTCF-E15-RF-01	0.30	0.11	0.081	0.079	0.075	0.071
			0.15	0.088	0.085	0.082	0.078
			0.19	0.095	0.092	0.089	0.084
			0.31	0.112	0.109	0.106	0.102
			0.57	0.143	0.139	0.136	0.132
			1.13	0.205	0.203	0.201	0.198
E15	Flat Roof with Parapet - with 160mm FR/ALU - Certificate No. UI-XTCF-E15-RF-01	0.30	0.11	0.081	0.078	0.075	0.070
			0.15	0.088	0.085	0.081	0.077
			0.19	0.094	0.091	0.088	0.083
			0.31	0.111	0.108	0.105	0.100
			0.57	0.140	0.137	0.134	0.130
			1.13	0.202	0.200	0.198	0.195
E15	Flat Roof with Parapet - with 200mm FR/ALU - Certificate No. UI-XTCF-E15-RF-01	0.30	0.11	0.080	0.077	0.073	0.069
			0.15	0.087	0.083	0.080	0.075
			0.19	0.093	0.089	0.086	0.081
			0.31	0.109	0.106	0.102	0.097
			0.57	0.136	0.134	0.130	0.126
			1.13	0.196	0.194	0.191	0.188
E15	Flat Roof with Parapet- with 120mm FR/BGM - Certificate No. UI-XTCF-E15-RF-02	0.30	0.11	0.082	0.079	0.076	0.072
			0.15	0.089	0.086	0.083	0.079
			0.19	0.096	0.093	0.089	0.086
			0.31	0.113	0.110	0.107	0.103
			0.57	0.144	0.141	0.138	0.135
			1.13	0.208	0.206	0.204	0.202
E15	Flat Roof with Parapet- with 140mm FR/BGM - Certificate No. UI-XTCF-E15-RF-02	0.30	0.11	0.081	0.079	0.075	0.071
			0.15	0.088	0.085	0.082	0.078
			0.19	0.095	0.092	0.089	0.084
			0.31	0.112	0.109	0.106	0.102
			0.57	0.143	0.139	0.136	0.133
			1.13	0.205	0.203	0.201	0.198
E15	Flat Roof with Parapet- with 160mm FR/BGM - Certificate No. UI-XTCF-E15-RF-02	0.30	0.11	0.081	0.078	0.075	0.070
			0.15	0.088	0.085	0.081	0.077
			0.19	0.094	0.091	0.088	0.083
			0.31	0.111	0.108	0.105	0.100
			0.57	0.140	0.137	0.134	0.130
			1.13	0.202	0.200	0.198	0.195
E15	Flat Roof with Parapet- with 220mm FR/BGM - Certificate No. UI-XTCF-E15-RF-02	0.30	0.11	0.080	0.077	0.073	0.068
			0.15	0.086	0.083	0.079	0.074
			0.19	0.092	0.089	0.085	0.080
			0.31	0.108	0.105	0.101	0.096
			0.57	0.135	0.132	0.128	0.124
			1.13	0.193	0.191	0.188	0.185
E16	External Corner - Certificate No. UI-XTCF-E16-EXT-CRN-01	0.18	0.11	0.040	0.038	0.036	0.033
			0.15	0.042	0.040	0.037	0.034
			0.19	0.043	0.041	0.038	0.035
			0.31	0.046	0.044	0.041	0.037
			0.57	0.049	0.046	0.043	0.039
			1.13	0.052	0.049	0.045	0.040
E17	Internal Corner - Certificate No. UI-XTCF-E17-INT-CRN-02	0.00	0.11	-0.068	-0.065	-0.062	-0.057
			0.15	-0.070	-0.067	-0.063	-0.058
			0.19	-0.071	-0.068	-0.064	-0.059
			0.31	-0.073	-0.069	-0.065	-0.060
			0.57	-0.075	-0.071	-0.067	-0.061
			1.13	-0.076	-0.072	-0.067	-0.062
E18	Party Wall Between Dwellings - Same block used for party wall - Certificate No. UI-XTCF-E18-IW-01	0.24	0.11	0.036*	0.034*	0.031*	0.028*
			0.15	0.038*	0.036*	0.033*	0.029*
			0.19	0.039*	0.037*	0.033*	0.029*
			0.31	0.041*	0.039*	0.035*	0.030*
			0.57	0.044*	0.042*	0.037*	0.032*
			1.13	0.046*	0.043*	0.038*	0.033*
E18	Party Wall Between Dwellings - Medium dense block used for party wall - Certificate No. UI-XTCF-E18-IW-02	0.24	0.11	0.043*	0.040*	0.036*	0.031*
			0.15	0.043*	0.040*	0.036*	0.031*
			0.19	0.043*	0.040*	0.036*	0.031*
			0.31	0.043*	0.040*	0.036*	0.031*
			0.57	0.044*	0.042*	0.037*	0.032*

*Psi (Ψ) applied to each dwelling

THERMAL BRIDGING TABLES

CavityFill XT/CF Fulfil PIR System

Ref	Junction detail applicable to the whole junction and Unilin Insulation certificate number	Default psi value (W/mK)	Inner Block (W/mK)	100mm XT-HYF	125mm XT-HYF	150mm XT-HYF
P1	Party wall floor junction with insulation below the screed - block and beam floor with XT-HYF with a U-Value between 0.10 to 0.18W/m²K - Certificate No. UI-GEN-P1-BB-01	0.32	0.11	0.056*	0.054*	0.051*
			0.15	0.064*	0.062*	0.059*
			0.19	0.071*	0.069*	0.067*
			0.31	0.092*	0.090*	0.087*
			0.57	0.125*	0.123*	0.120*
			1.13	0.186*	0.185*	0.183*
P1	Party wall floor junction with insulation below the screed - Ground bearing slab with XT-HYF with a U-Value between 0.10 to 0.18W/m²K - Certificate No. UI-GEN-P1-GF-01	0.32	0.11	0.046*	0.045*	0.044*
			0.15	0.052*	0.050*	0.049*
			0.19	0.057*	0.055*	0.054*
			0.31	0.071*	0.070*	0.069*
			0.57	0.096*	0.096*	0.096*
			1.13	0.143*	0.146*	0.147*
P1	Party wall floor junction with insulation below the slab - Ground bearing slab with XT-HYF with a U-Value between 0.10 to 0.18W/m²K - Certificate No. UI-GEN-P1-GF-02	0.32	0.11	0.045*	0.045*	0.044*
			0.15	0.050*	0.049*	0.048*
			0.19	0.054*	0.054*	0.053*
			0.31	0.066*	0.066*	0.066*
			0.57	0.088*	0.089*	0.090*
			1.13	0.129*	0.134*	0.135*

Thickness of floor insulation
*Psi (Ψ) applied to each dwelling

CavityFill XT/CF Fulfil PIR System

Ref	Junction detail applicable to the whole junction and Unilin Insulation certificate number	Default psi value (W/mK)	Inner Block (W/mK)	300mm	400mm	450mm
P4	Party wall ceiling junction with insulation - mineral fibre between and over joists with a U-Value between 0.11 to 0.16W/m²K and the party wall 0.00W/m²K - Certificate No. UI-GEN-P4-RE-01	0.48	0.11	0.048*	0.038*	0.035
			0.15	0.055*	0.045*	0.041
			0.19	0.063*	0.051*	0.046
			0.31	0.083*	0.068*	0.063
			0.57	0.120*	0.100*	0.093
			1.13	0.198*	0.170*	0.159

Thickness of mineral wool
*Psi (Ψ) applied to each dwelling

CavityFill XT/CF Fulfil PIR System

Ref	Junction detail applicable to the whole junction and Unilin Insulation certificate number	Default psi value (W/mK)	
R1	Rooflight head junction with Unilin Insulation between and under rafters with a U-Value between 0.11 to 0.16W/m²K Certificate No. UI-GEN-R1-Head-01	0.24	0.061
R2	Rooflight sill junction with Unilin Insulation between and under rafters with a U-Value between 0.11 to 0.16W/m²K Certificate No. UI-GEN-R2-Sill-01 V1	0.24	0.060
R3	Rooflight jamb junction with Unilin Insulation between and under rafters with a U-Value between 0.11 to 0.16W/m²K Certificate No. UI-GEN-R3-Jamb-01 V1	0.24	0.056

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