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DATA SHEET NUMBER **DS-043**

	Timber Primary + Secondary Unit 100mm cavity				Metal Primary + Secondary Unit 100mm cavity			
Selectaglaze Product	6mm clear float	6mm low - e	4-12-4 SU low - e	4-12-4 SU low - e & gas	6mm clear float	6mm low - e	4-12-4 SU low - e	4-12-4 SU low - e & glass
S10	2.629	1.807			2.911	1.936		
S15	No Data	No Data			No Data	No Data		
S20	2.617	1.802			2.897	1.930		
S25	No Data	No Data			No Data	No Data		
S30 LO	2.585	1.787			2.858	1.913		
S40 FL	2.574	1.781	1.517	1.435	2.843	1.906	1.606	1.515
S41 LO	2.581	1.785	1.676	1.627	2.852	1.910	1.786	1.731
S41 SHC	2.581	1.785	1.676	1.627	2.852	1.910	1.786	1.731
S41 DSHC	2.588	1.788	1.865	1.832	2.861	1.914	2.003	1.964
S42 FL	No Data	No Data			No Data	No Data		
S43 DMF	No Data	No Data			No Data	No Data		
S45 LO	2.576	1.782			2.846	1.908		
S45 SHC	2.576	1.782			2.846	1.908		
S45 DSHC	2.585	1.786			2.857	1.912		
S46 FL	2.579	1.784			2.850	1.910		
S47 SHC	No Data	No Data			No Data	No Data		
S50 LO	2.589	1.788	1.758	1.700	2.862	1.915	1.879	1.813
S50 SHC	2.589	1.788	1.758	1.700	2.862	1.915	1.879	1.813
S50 DSHC	2.598	1.793	1.966	1.927	2.874	1.920	2.120	2.074
S55	No Data	No Data			No Data	No Data		
S60	2.639	1.812			2.924	1.942		
S80 2HS	2.640	1.810			2.920	1.940		
S85 2HS	2.700	1.840			3.000	1.970		
S90	2.615	1.801			2.894	1.929		
S95	2.698	1.840			2.996	1.974		

NOTES:

All figures in W/M²K.

All calculations carried out by The Centre for Window and Cladding Technology (CWCT) at The University of Bath

Assumptions:

I. The timber primary window has 6mm glass and a typical overall u-value of 4.71 W/M²K.
II. The metal primary window has 6mm glass and a typical overall u-value of 5.7 W/M²K.
III. The window size is 1480mm x 1230mm i.e. BFRC (British Fenestration Rating Council) size.

Guidence:

I. Thickness of laminations have negligible effect on u-value.
II. Examples of effect of cavity:

50mm cavity = 1.737
100mm cavity = 1.807
200mm cavity = 1.883

III. Example of the effect of size (in particular on heavy framed units with sealed units):

S50 DSHC low-e glass	1480 x 1230	= 1.739
	3000 x 1500	= 1.788
S50 DSHC DG low-e + gas	1480 x 1230	= 1.927
	3000 x 1500	= 1.733

IV. When there are very leaky primary windows the u-values should be increased by 0.09 W/M²K.

DRAWN	DATE	ISSUE	AA	AB	AC	AD	AE	
S. THOMPSON	24-04-07	C.N.	07/017	07/022	08/010	08/033	15-026	
DESCRIPTION	U-Values for Secondary Glazing Units in combination with Primary Windows							

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