

Complex Glazing Database: Version 13.0

Windows and Envelope Materials Group, Lawrence Berkeley National Laboratory; <https://windows.lbl.gov/software/cgdb>

Notes for 13.0:

The records added were Hunter Douglas cellular shade materials, not Shading Layers.

Notes for 11.0 and 12.0:

There are two databases, one for WINDOW 7.4 and one for WINDOW 7.6, because they have different database formats. The WINDOW 7.4 database does not have Cellular Shade products because WINDOW 7.4 does not have a good Cellular Shade model. To model Cellular Shades, use WINDOW 7.6. In addition, the ODL products in the CGDB version for WINDOW 7.4 are all listed as being added in Version 11.0. However, this is not correct, but it was the only way to have the new ODL products reflect that they were added in Version 11.0, as the records from the Shade Material Library are the same for both the old and the new records. In WINDOW 7.6, it is possible to separate the version submitted in the Shade Material Library from the version submitted in the Shading Layer Library, but not in WINDOW 7.4. These release notes reflect the records in WINDOW 7.6

Notes for 10.0:

Any products with XML files have been set to Version 10.0 because of changes to the Permeability (previously called Openness Factor)

Alkenz had multiple Manufacturer names in previous versions. All those records now have Manufacturer name = Alkenz, and have been set to CGDB V 9.0 because of this name change.

In WINDOW 7.5, the program automatically calculates the openness factor for Venetian blind (horizontal), Venetian blind (vertical) and Perforated Screens. The products in the CGDB for WINDOW 7.4 have been updated with those calculated values from WINDOW 7.5. In addition, the openness factor for Type = "Shade with XML data" has been set to the TIR value from each of the XML files.

Notes for 9.0:

Some Intigral, ODL, Phifer, Shanghai King and Trimlite products had incorrect version numbers in previous databases and release notes. That has been corrected in this version of the release notes and the database.

Alkenz

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
7000	Sunshadow 3000, N901 Charcoal	BSDF File	10	@	2011-SA31.XML	1	0.150	0.8473	0.8473	0.0661	0.0482	0.051	0.051	0.043	0.043	0.052	0.052	0.041	0.041
7001	Sunshadow 3100, N002 white/bone	BSDF File	10	@	2011-SA30.XML	1	0.150	0.7849	0.7849	0.1279	0.0886	0.227	0.227	0.604	0.604	0.291	0.291	0.540	0.540

Alkenz

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
7002	Sunshadow 4000, N902 Charcoal/Bronze	BSDF File	10	@	2011-SA27.XML	1	0.150	0.8147	0.8147	0.0932	0.0700	0.072	0.072	0.062	0.062	0.078	0.078	0.071	0.071
7003	Sunshadow 4100, N301 Grey	BSDF File	10	@	2011-SA28.XML	1	0.150	0.7851	0.7851	0.1185	0.0648	0.079	0.079	0.313	0.313	0.107	0.107	0.305	0.305
7004	Sunshadow CA, CA02 White Moccasin	BSDF File	10	@	2011-SA29.XML	1	0.150	0.8169	0.8169	0.0869	0.0768	0.208	0.208	0.666	0.666	0.255	0.255	0.609	0.609
7005	3000 NET 5% N901 Charcoal/Charcoal	BSDF File	10	@	Alkenz-Sunshadow 3000 NET 5 N901 Charcoal-Charcoal-SE01.xml	0	0.300	0.8483	0.8483	0.0662	0.0509	0.054	0.054	0.047	0.047	0.055	0.055	0.046	0.046
7006	4000 NET 5% N901 Charcoal/Charcoal	BSDF File	10	@	Alkenz-Sunshadow 4000 NET 5 N901 Charcoal-Charcoal-SE02.xml	0	0.300	0.8407	0.8407	0.0740	0.0566	0.060	0.060	0.043	0.043	0.060	0.060	0.042	0.042
7007	3000 NET 5% N001 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 NET 5 N001 White-White-SE03.xml	0	0.300	0.8312	0.8312	0.0877	0.0698	0.197	0.197	0.780	0.780	0.249	0.249	0.679	0.679
7008	4000 NET 5% N001 White/White	BSDF File	10	@	Alkenz-Sunshadow 4000 NET 5 N001 White-White-SE04.xml	0	0.300	0.8426	0.8426	0.0740	0.0655	0.160	0.160	0.776	0.776	0.210	0.210	0.687	0.687
7009	3000 HT 5% HT01 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 HT 5 HT01 White-White-SE05.xml	0	0.300	0.8347	0.8347	0.0811	0.0578	0.204	0.204	0.760	0.760	0.254	0.254	0.670	0.670
7010	3000 HT 5% HT03 White/Light Gray	BSDF File	10	@	Alkenz-Sunshadow 3000 HT 5 HT03 White-Light Gray-SE06rev.xml	0	0.300	0.8639	0.8084	0.0863	0.0613	0.153	0.158	0.640	0.466	0.208	0.214	0.575	0.450
7011	3000 HT 5% HT09 White/Charcoal	BSDF File	10	@	Alkenz-Sunshadow 3000 HT 5 HT09 White-Charcoal-SE07rev.xml	0	0.300	0.8600	0.8629	0.0574	0.0584	0.077	0.085	0.510	0.153	0.084	0.093	0.427	0.125

Alkenz

ID	Name	Type	DB Ver		XML Filename	t	k	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
			#	Cert		(mm)	(W/m-k)												
7012	3000 NET 5% N901 Beige/Sable	BSDF File	10	@	Alkenz-Sunshadow 3000 NET 5 N901 Beige-Sable-SE08rev.xml	0	0.300	0.8445	0.8445	0.0741	0.0577	0.125	0.125	0.451	0.451	0.198	0.198	0.454	0.454
7013	4000 NET 5% N901 Beige/Sable	BSDF File	10	@	Alkenz-Sunshadow 4000 NET 5 N901 Beige-Sable-SE09.xml	0	0.300	0.8338	0.8338	0.0810	0.0619	0.106	0.106	0.446	0.446	0.168	0.168	0.447	0.447
7014	3000 CA 3% CA01 White/Floral White	BSDF File	10	@	Alkenz-Sunshadow 3000 CA 3 CA01 White-Floral White-SE10.xml	0	0.300	0.8512	0.8512	0.0663	0.0470	0.216	0.216	0.767	0.767	0.264	0.264	0.677	0.677
7015	3000 NET 1% N001 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 NET 1 N001 White-White-SE11.xml	0	0.300	0.8948	0.8948	0.0333	0.0016	0.123	0.123	0.844	0.844	0.174	0.174	0.740	0.740
7016	3000 NET 3% N001 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 NET 3 N001 White-White-SE12.xml	0	0.300	0.8385	0.8385	0.0813	0.0375	0.156	0.156	0.812	0.812	0.207	0.207	0.711	0.711
7017	3000 NET 5% N001 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 NET 5 N001 White-White-SE13.xml	0	0.300	0.8637	0.8637	0.0668	0.0561	0.178	0.178	0.788	0.788	0.230	0.230	0.689	0.689
7018	3000 NET 10% N001 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 NET 10 N001 White-White-SE14.xml	0	0.300	0.8254	0.8254	0.1111	0.0895	0.218	0.218	0.759	0.759	0.268	0.268	0.661	0.661
7019	3000 HT 3% HT01 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 HT 3 HT01 White-White-SE15.xml	0	0.300	0.9299	0.9299	0.0001	0.0396	0.174	0.174	0.766	0.766	0.224	0.224	0.677	0.677
7020	3000 HT 5% HT01 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 HT 5 HT01 White-White-SE16.xml	0	0.300	0.8803	0.8803	0.0581	0.0451	0.189	0.189	0.769	0.769	0.245	0.245	0.673	0.673

Alkenz

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
			#	Cert															
7021	VIEW R 15% R103 White/Gray	BSDF File	10	@	Alkenz-Sunshadow VIEW R 15 R103 White-Gray- SE17.xml	0	0.300	0.7482	0.7482	0.1995	0.1728	0.232	0.232	0.510	0.510	0.262	0.262	0.454	0.454
7022	4700 P Q 1% P012 White/Beige/Beige	BSDF File	10	@	Alkenz-Sunshadow 4700 P Q 1 P012 White-Beige-Beige- SE18.xml	0	0.300	0.9169	0.9169	0.0001	0.0004	0.102	0.102	0.690	0.690	0.159	0.159	0.623	0.623
7023	4700 P Q 1% Q001 White/Cream/Alab aster Beige	BSDF File	10	@	Alkenz-Sunshadow 4700 P Q 1 Q001 White-Cream- Alabaster Beige- SE19rev.xml	0	0.300	0.8129	0.8129	0.0931	0.0005	0.124	0.130	0.768	0.728	0.170	0.178	0.681	0.657
7024	4000 NET 3% N001 White/White	BSDF File	10	@	Alkenz-Sunshadow 4000 NET 3 N001 White-White- SE20.xml	0	0.300	0.8330	0.8330	0.0655	0.0575	0.150	0.150	0.779	0.779	0.199	0.199	0.692	0.692
7025	Sunshadow - 3000 CA 3 CA09 Charcoal/Charcoal	BSDF File	10	@	SE56.xml	0	0.120	0.8493	0.8493	0.0743	0.0507	0.054	0.054	0.042	0.042	0.054	0.054	0.042	0.042
7026	Sunshadow - 3000 NET 1 N901 Charcoal/Charcoal	BSDF File	10	@	SE57.xml	0	0.120	0.8657	0.8657	0.0577	0.0000	0.000	0.000	0.044	0.044	0.000	0.000	0.044	0.044
7027	Sunshadow - 3000 NET 10 N901 Charcoal/Charcoal	BSDF File	10	@	SE58.xml	0	0.120	0.8471	0.8471	0.0816	0.0954	0.100	0.100	0.042	0.042	0.100	0.100	0.042	0.042
7028	Sunshadow - 3000 HT 5 HT09 White/Charcoal	BSDF File	10	@	SE59.xml	0	0.120	0.8289	0.8302	0.0908	0.0737	0.112	0.099	0.162	0.500	0.114	0.101	0.155	0.480
7029	Sunshadow - VIEW R 15 R900 Charcoal/Charcoal	BSDF File	10	@	SE60.xml	0	0.120	0.7341	0.7341	0.1912	0.1508	0.156	0.156	0.035	0.035	0.156	0.156	0.035	0.035

CHANGSHU HIGH-TECH ENERG

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
			#	Cert															
27500	White miniblind, Open	Venetian	12								0.9760								

CHANGSHU HIGH-TECH ENERG

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
27501	White miniblind, Closed	Venetian	12								0.8234								
27502	White miniblind, 45	Venetian	12								0.9665								
27503	Tan miniblind, Open	Venetian	12								0.9760								
27504	Tan miniblind, Closed	Venetian	12								0.8234								
27505	Tan miniblind, 45	Venetian	12								0.9665								

Comfortex

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
8000	E5035 White	BSDF File	10	@	2011-SA32.XML	1	0.150	0.5508	0.5508	0.2795	0.0763	0.679	0.679	0.517	0.517	0.692	0.692	0.296	0.296
8001	PSB38 White	BSDF File	10	@	2011-SA33.XML	1	0.150	0.6619	0.6619	0.1695	0.0000	0.628	0.628	0.369	0.369	0.636	0.636	0.356	0.356
8002	MT780977181 White	BSDF File	10	@	2011-SA34.XML	1	0.150	0.8447	0.8447	0.0002	0.0000	0.000	0.000	0.800	0.800	0.000	0.000	0.676	0.676
8003	E5070 White	BSDF File	10	@	2011-SA35.XML	1	0.150	0.7078	0.7078	0.1261	0.0083	0.465	0.465	0.531	0.531	0.481	0.481	0.500	0.500
8004	E5035DK WhiteX	BSDF File	10	@	2011-SA36.XML	1	0.150	0.8071	0.8071	0.0451	0.0000	0.000	0.000	0.801	0.801	0.000	0.000	0.641	0.641

Dickson - Glen Raven

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
10020	SWN-M005	BSDF File	10	@	Dickson-Glen Raven SWN-M005-SE33.xml	0	0.300	0.7331	0.7331	0.1944	0.1371	0.290	0.290	0.671	0.671	0.310	0.310	0.602	0.602
10021	SWN-M652	BSDF File	10	@	Dickson-Glen Raven SWN-M652-SE34.xml	0	0.300	0.7313	0.7313	0.1974	0.1296	0.154	0.154	0.242	0.242	0.169	0.169	0.230	0.230
10022	SWK M005	BSDF File	10	@	Dickson-Glen Raven SWK-M005-SE35.xml	0	0.300	0.8194	0.8194	0.0804	0.0601	0.263	0.263	0.721	0.721	0.290	0.290	0.647	0.647
10023	SWK M391	BSDF File	10	@	Dickson-Glen Raven SWK-M391-SE36.xml	0	0.300	0.7425	0.7425	0.1647	0.0640	0.067	0.067	0.128	0.128	0.068	0.068	0.054	0.054

Dickson - Glen Raven

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
10024	SWK M654	BSDF File	10	@	Dickson-Glen Raven SWK-M654-SE37.xml	0	0.300	0.8031	0.8031	0.1042	0.0601	0.154	0.154	0.502	0.502	0.188	0.188	0.459	0.459
10025	SWC M005	BSDF File	10	@	Dickson-Glen Raven SWC-M005-SE38.xml	0	0.300	0.8556	0.8300	0.0440	0.0284	0.279	0.279	0.693	0.693	0.298	0.298	0.628	0.628
10026	SWC M392	BSDF File	10	@	Dickson-Glen Raven SWC-M392-SE39.xml	0	0.300	0.8876	0.8382	0.0231	0.0281	0.055	0.055	0.244	0.244	0.055	0.055	0.067	0.080
10027	SWC M654	BSDF File	10	@	Dickson-Glen Raven SWC-M654-SE54.xml	0	0.300	0.8529	0.8480	0.0463	0.0296	0.149	0.188	0.494	0.479	0.179	0.217	0.465	0.453
10028	SWN M654	BSDF File	10	@	Dickson-Glen Raven SWN-M654-SE55.xml	0	0.300	0.7224	0.7181	0.2021	0.1489	0.200	0.205	0.458	0.446	0.221	0.226	0.417	0.405

Ferrari Textiles Corporation

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
9000	Preconstraint 502, 8861 - Vanilla	BSDF File	10	@	2011-SA41.XML	1	0.150	0.8937	0.8937	0.0002	0.0000	0.029	0.029	3.185	3.185	0.089	0.089	0.644	0.644
9001	Soltis 86, 2002 - Sand	BSDF File	10	@	2011-SA40.XML	1	0.150	0.7163	0.7163	0.2077	0.1345	0.207	0.207	0.462	0.462	0.254	0.254	0.475	0.475
9002	Soltis 92, 2002 - Sand	BSDF File	10	@	2011-SA39.XML	1	0.150	0.8009	0.8009	0.1146	0.0568	0.130	0.130	0.535	0.535	0.185	0.185	0.542	0.542
9003	Soltis 93, 3002 - Sand	BSDF File	10	@	2011-SA38.XML	1	0.150	0.8367	0.8367	0.0738	0.0355	0.099	0.099	0.545	0.545	0.156	0.156	0.560	0.560
9004	Soltis B92N, 1043 - Bronze	BSDF File	10	@	2011-SA37.XML	1	0.150	0.8278	0.8278	0.0001	0.0000	0.000	0.000	0.293	0.293	0.000	0.000	0.132	0.132

Generic

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
1	Venetian A0	Venetian	1								0.9523								
2	Venetian A45	Venetian	1								0.9326								
3	Venetian A90	Venetian	1								0.0000								
4	Venetian B0	Venetian	1								0.9523								

Generic

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
5	Venetian B45	Venetian	1								0.9326								
6	Venetian B90	Venetian	1								0.0000								
7	Venetian C0	Venetian	1								0.9523								
8	Venetian C45	Venetian	1								0.9326								
9	Venetian C80	Venetian	1								0.7257								
10	Venetian C90	Venetian	1								0.0000								
11	Venetian D0	Venetian	1								0.9523								
12	Venetian D45	Venetian	1								0.9326								
13	Venetian D90	Venetian	1								0.0000								
15	Diffusing Shade	Diffusing Shade	1								0.0000								
16	WINDAT Shade with Spectral Data	Venetian	1								0.8428								
17	White Frit	Fritted Glass	1								0.0000								
19	Woven shade. Gray. 25% open area	Woven Shade	1								0.2500								
20	Off White Blind 24 mm slat at 45 degrees	Venetian	1								0.9925								
21	Dark Blue Blind 24 mm slat at 45 degrees	Venetian	1								0.9925								
22	Clear Frit (no pigment)	Fritted Glass	1								0.0000								
23	Woven shade. Gray. 3% open area	Woven Shade	1								0.0301								
24	Woven shade. Gray. 10% open area	Woven Shade	1								0.1001								
28	Perforated screen. 8.7% open area	Perforated Screen	1								0.0872								

Generic

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB	
			#	Cert																
29	1" horizontal VB (white) - 45 deg	Venetian	1								0.9924									
30	3" horizontal VB (white) - 45 deg	Venetian	1								0.9974									
31	3" vertical VB (white) - 0 deg (open)	Vert Louver	1								0.9982									
32	0.4" inbetween VB (white) - 45 deg	Venetian	1								0.9813									
50	Cellular Shade. Single cell, light color	Cellular Shade	10		ID50_CS.thmx	20		0.8058	0.8058	0.0083	0.0300	0.224	0.225	0.659	0.659	0.217	0.217	0.631	0.632	
51	Cellular Shade. Stacked double cell, light color	Cellular Shade	10		ID51_CS.thmx	24		0.7896	0.7896	0.0002	0.0000	0.059	0.059	0.679	0.678	0.057	0.057	0.652	0.651	
52	Cellular Shade. cell-in-cell, light color	Cellular Shade	10		ID52_CS.thmx	35		0.8755	0.8754	0.0003	0.0000	0.038	0.037	0.546	0.547	0.037	0.037	0.506	0.507	
53	Cellular Shade. Single cell, blackout, low-e	Cellular Shade	10		ID53_CS.thmx	39		0.9053	0.9053	0.0000	0.0000	0.000	0.000	0.568	0.567	0.000	0.000	0.553	0.552	
54	Cellular Shade. Single cell, light color, sheer	Cellular Shade	10		ID54_CS.thmx	26		0.6678	0.6678	0.2030	0.1000	0.557	0.557	0.392	0.391	0.560	0.561	0.382	0.383	

Glen Raven

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB	
			#	Cert																
10001	Firesist, Sand 82006	BPDF File	10	@	2011-SA55.XML	1	0.150	0.8353	0.8353	0.0458	0.0001	0.023	0.023	0.289	0.289	0.053	0.053	0.327	0.327	
10002	Firesist, Black 82008	BPDF File	10	@	2011-SA85.XML	1	0.150	0.8958	0.8958	0.0001	0.0001	0.000	0.000	0.037	0.037	0.000	0.000	0.041	0.041	
10003	Sunbrella awning, Black 4608	BPDF File	10	@	2011-SA45.XML	1	0.150	0.8348	0.8348	0.0565	0.0000	0.000	0.000	0.022	0.022	0.000	0.000	0.021	0.021	
10004	Sunbrella awning, Taupe 4648	BPDF File	10	@	2011-SA46.XML	1	0.150	0.7644	0.7644	0.0438	0.0000	0.000	0.000	0.148	0.148	0.004	0.004	0.189	0.189	

Glen Raven

ID	Name	Type	DB Ver		XML Filename	t	k	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
			#	Cert		(mm)	(W/m-k)												
10005	Sunbrella awning, Heather Beige 4672	BSDF File	10	@	2011-SA47.XML	1	0.150	0.8047	0.8047	0.0002	0.0000	0.007	0.007	0.244	0.244	0.033	0.033	0.322	0.322
10006	Sunbrella awning, Brass 4658	BSDF File	10	@	2011-SA48.XML	1	0.150	0.7598	0.7598	0.0625	0.0000	0.011	0.011	0.238	0.238	0.037	0.037	0.305	0.305
10007	Sunbrella awning, Oyster 4642	BSDF File	10	@	2011-SA49.XML	1	0.150	0.7711	0.7711	0.0441	0.0002	0.136	0.136	0.562	0.562	0.179	0.179	0.607	0.607
10008	Sunbrella awning, Natural 4604	BSDF File	10	@	2011-SA50.XML	1	0.150	0.7899	0.7899	0.0000	0.0012	0.206	0.206	0.684	0.684	0.209	0.209	0.675	0.675
10009	Sunbrella awning, Linen 4633	BSDF File	10	@	2011-SA51.XML	1	0.150	0.7810	0.7810	0.0310	0.0002	0.033	0.033	0.371	0.371	0.124	0.124	0.519	0.519
10010	Sunbrella awning, Cadet Gray 4630	BSDF File	10	@	2011-SA52.XML	1	0.150	0.7605	0.7605	0.0437	0.0000	0.010	0.010	0.276	0.276	0.117	0.117	0.478	0.478
10011	Sunbrella awning, Green 4637	BSDF File	10	@	2011-SA53.XML	1	0.150	0.8367	0.8367	0.0002	0.0000	0.000	0.000	0.042	0.042	0.000	0.000	0.074	0.074
10012	Sunbrella awning, Dubonnet Tweed 4606	BSDF File	10	@	2011-SA54.XML	1	0.150	0.8611	0.8611	0.0008	0.0000	0.000	0.000	0.044	0.044	0.010	0.010	0.123	0.123
10013	Sunbrella shade, Black 4608	BSDF File	10	@	2011-SA57.XML	1	0.150	0.8348	0.8348	0.0565	0.0000	0.000	0.000	0.024	0.024	0.000	0.000	0.023	0.023
10014	Sunbrella shade, Ebony 318	BSDF File	10	@	2011-SA58.XML	1	0.150	0.8021	0.8021	0.0643	0.0230	0.040	0.040	0.062	0.062	0.045	0.045	0.075	0.075
10015	Sunbrella shade, Eggshell 173	BSDF File	10	@	2011-SA56.XML	1	0.150	0.7041	0.7041	0.0867	0.0251	0.284	0.284	0.558	0.558	0.301	0.301	0.568	0.568
10016	Sunvision Ecru	BSDF File	10	@	2014-SC39.XML	0	0.150	0.6689	0.6689	0.1831	0.1391	0.344	0.344	0.590	0.590	0.363	0.363	0.558	0.558
10017	Sunvision Ardoise	BSDF File	10	@	2014-SC40.XML	0	0.150	0.6848	0.6848	0.1654	0.1088	0.144	0.144	0.079	0.079	0.155	0.155	0.096	0.096
10018	Sunvision Perle	BSDF File	10	@	2014-SC41.XML	0	0.150	0.6572	0.6572	0.1816	0.1042	0.188	0.188	0.243	0.243	0.221	0.221	0.255	0.255

Goodearl and Bailey

ID	Name	Type	DB Ver		XML Filename	t	k	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
			#	Cert		(mm)	(W/m-k)												
3500	Dickson Orchestra #0681 Dune	BSDF File	10	@	Goodearl and Bailey-Dickson Orchestra 0681 Dune-oz03.xml	1	0.140	0.7546	0.7546	0.0435	0.0002	0.068	0.068	0.397	0.397	0.125	0.125	0.473	0.473

Helioscreen

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
7500	Platinum Charcoal	BSDF File	10	@	Helioscreen-Platinum Charcoal-oz02.xml	1	0.140	0.5299	0.8839	0.0544	0.0248	0.038	0.037	0.354	0.354	0.112	0.104	0.413	0.283
7501	Platinum Iron	BSDF File	10	@	Helioscreen-Platinum Iron-oz01.xml	1	0.140	0.6047	0.9230	0.0136	0.0225	0.110	0.105	0.430	0.430	0.139	0.132	0.451	0.396

Hunter Douglas

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
14000	Architella Elan 3/4" Semi-Opaque (C22)	Cellular Shade	10	@	HunterDouglas_C22.thmx	35		0.8755	0.8754	0.0003	0.0086	0.038	0.037	0.546	0.547	0.037	0.037	0.506	0.507
14001	Architella Elan 3/4" Opaque (C23)	Cellular Shade	10	@	HunterDouglas_C23.thmx	36		0.8819	0.8819	0.0000	0.0000	0.000	0.000	0.581	0.584	0.000	0.000	0.549	0.549
14002	Classic 3/4" Semi-Opaque (D2)	Cellular Shade	10	@	HunterDouglas_D2.thmx	36		0.8895	0.8895	0.0134	0.0248	0.285	0.285	0.538	0.538	0.288	0.288	0.519	0.520
14003	Classic 3/4" Opaque (D7)	Cellular Shade	10	@	HunterDouglas_D7.thmx	39		0.9053	0.9053	0.0000	0.0000	0.000	0.000	0.568	0.567	0.000	0.000	0.553	0.552
14004	Whisper 3/4" Sheer (D8)	Cellular Shade	10	@	HunterDouglas_D8.thmx	26		0.6678	0.6678	0.2030	0.5900	0.557	0.557	0.392	0.391	0.560	0.561	0.382	0.383
14005	Architella Trielle Elan 1-1/2" Semi-Opaque (C82)	Cellular Shade	10	@	HunterDouglas_C82.thmx	62		0.8804	0.8805	0.0001	0.0000	0.003	0.003	0.540	0.540	0.003	0.003	0.500	0.499
14006	Architella Trielle Elan 1-1/2" Opaque (C83)	Cellular Shade	10	@	HunterDouglas_C83.thmx	62		0.8805	0.8805	0.0000	0.0000	0.000	0.000	0.554	0.554	0.000	0.000	0.515	0.514
14050	ECOVIEW Plus Midnight Storm	BSDF File	10	@	Hunter Douglas-ECOVIEW Plus Midnight Storm-oz27.xml	1	0.140	0.8599	0.8599	0.0665	0.0000	0.076	0.076	0.091	0.091	0.079	0.079	0.099	0.099
14051	NOVASCREEN Granite	BSDF File	10	@	Hunter Douglas-NOVASCREEN Granite-oz26.xml	1	0.140	0.8793	0.8490	0.0699	0.0525	0.077	0.077	0.366	0.366	0.080	0.079	0.322	0.130
34006	Architella Elan 3/4" Outer Fabric (C22/C23)		13	@		0.13	0.12	0.833	0.833	0.158		0.503	0.503	0.494	0.494	0.518	0.518	0.452	0.452

Hunter Douglas

ID	Name	Type	DB Ver		XML Filename	t	k	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
			#	Cert		(mm)	(W/m-k)									TsolF	TsolB	RsolF	RsolB
34007	Architella Elan 3/4" Inner Fabric Semi Opaque (C22/C56)		13	@		0.12	0.12	0.798	0.789	0.1911		0.558	0.558	0.428	0.442	0.555	0.555	0.413	0.427
34008	Architella Elan 3/4" Inner Fabric Opaque(C23/C57)		13	@		0.08	0.12	0.756	0.034	0		1.558	1.558	0.806	0.926	6.973	6.973	0.812	0.934
34009	Architella Reception 3/4" Outer Fabric (C56/C57)		13	@		0.13	0.12	0.8	0.842	0.1282		0.431	0.431	0.567	0.552	0.442	0.442	0.524	0.521
34010	Applause 3/4" Semi Opaque (E40)		13	@		0.21	0.12	0.821	0.821	0.1812		0.503	0.503	0.494	0.494	0.518	0.518	0.452	0.452
34011	Applause 3/4" Opaque (E41)		13	@		0.20	0.12	0.825	0.026	0		1.299	1.299	0.735	0.922	1.051	1.051	0.715	0.927
46000	Sonnette Elan Outer Fabric(SN01/SN02)		13	@		0.27	0.12	0.836	0.835	7.3423		0.485	0.485	0.514	0.496	0.489	0.489	0.489	0.470
46001	Sonnette Elan Back Fabric Semi Opaque (SN01)		13	@		0.22	0.12	0.815	0.815	0.124		0.521	0.521	0.478	0.478	0.527	0.527	0.450	0.450
46002	Sonnette Elan Back Fabric Opaque (SN02)		13	@		0.23	0.12	0.787	0.795	0		8.300	8.300	0.848	0.776	1.265	1.265	0.812	0.763
46003	Sonnette Textura Outer Fabric(SN07/SN08)		13	@		0.30	0.12	0.821	0.824	5.5680		0.362	0.362	0.338	0.504	0.384	0.384	0.352	0.478
46004	Sonnette Textura Back Fabric Semi Opaque (SN07)		13	@		0.20	0.12	0.737	0.737	0.1081		0.518	0.518	0.481	0.481	0.516	0.516	0.465	0.465
46005	Sonnette Textura Back Fabric Opaque (SN08)		13	@		0.25	0.12	0.773	0.773	0		4.209	4.209	0.838	0.783	7.657	7.657	0.799	0.766

Inflector Window Insulators

ID	Name	Type	DB Ver		XML Filename	t	k	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
			#	Cert		(mm)	(W/m-k)									TsolF	TsolB	RsolF	RsolB

Inflector Window Insulators

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
12000	In'Flector Radiant Barrier Window Insulator	BSDF File	12	@	SA99_Inflector-CGDB12000.xml	0	0.150	0.7100	0.5900	0.1700	0.0000	0.252	0.254	0.079	0.079	0.254	0.253	0.077	0.511
12001	Solar Selective Window Insulator	BSDF File	12	@	2011-SB13.XML	1	0.150	0.7175	0.7175	0.2027	0.0000	0.171	0.171	39.70	39.70	0.254	0.254	0.061	0.061
12002	In'Flector Radiant Barrier Window Insulator (flipped)	BSDF File	12	@	SA99Flip_LowEOut_Inflector-CGDB12002.xml	0	0.150	0.5900	0.7100	0.1700	0.0000	0.254	0.252	0.508	0.508	0.253	0.254	0.511	0.077

Intigral

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
24000	Alabaster Venetian Blind Open (Intigral)	Venetian	6	#							0.9792								
24001	Alabaster Venetian Blind Closed (Intigral)	Venetian	6	#							0.6031								
24002	Alabaster Venetian Blind 45 (Intigral)	Venetian	6	#							0.9706								
24003	White Satin Venetian Blind Open (Intigral)	Venetian	6	#							0.9792								
24004	White Satin Venetian Blind Closed (Intigral)	Venetian	6	#							0.6031								
24005	White Satin Venetian Blind 45 (Intigral)	Venetian	6	#							0.9706								
24006	Tan Venetian Blind Open (Intigral)	Venetian	9	#							0.9792								
24007	Tan Venetian Blind Closed (Intigral)	Venetian	9	#							0.6031								
24008	Tan Venetian Blind 45 (Intigral)	Venetian	9	#							0.9706								

Intigral

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB	
			#	Cert																
24009	ScreenLine SL19/20/22 Venetian Open S102 White	Venetian	11	#							0.9820									
24010	ScreenLine SL19/20/22 Venetian Closed S102 White	Venetian	11	#							0.7860									
24011	ScreenLine SL19/20/22 Venetian 45 S102 White	Venetian	11	#							0.9749									
24012	ScreenLine SL19/20/22 Venetian Open S106 Yellow	Venetian	11	#							0.9820									
24013	ScreenLine SL19/20/22 Venetian Closed S106 Yellow	Venetian	11	#							0.7860									
24014	ScreenLine SL19/20/22 Venetian 45 S106 Yellow	Venetian	11	#							0.9749									
24015	ScreenLine SL19/20/22 Venetian Open S125 Dark Cream	Venetian	11	#							0.9820									
24016	ScreenLine SL19/20/22 Venetian Closed S125 Dark Cream	Venetian	11	#							0.7860									
24017	ScreenLine SL19/20/22 Venetian 45 S125 Dark Cream	Venetian	11	#							0.9749									

Intigral

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB	
			#	Cert																
24018	ScreenLine SL19/20/22 Venetian Open S130 Green	Venetian	11	#							0.9820									
24019	ScreenLine SL19/20/22 Venetian Closed S130 Green	Venetian	11	#							0.7860									
24020	ScreenLine SL19/20/22 Venetian 45 S130 Green	Venetian	11	#							0.9749									
24021	ScreenLine SL19/20/22 Venetian Open S142 Light Blue	Venetian	11	#							0.9820									
24022	ScreenLine SL19/20/22 Venetian Closed S142 Light Blue	Venetian	11	#							0.7860									
24023	ScreenLine SL19/20/22 Venetian 45 S142 Light Blue	Venetian	11	#							0.9749									
24024	ScreenLine SL19/20/22 Venetian Open S149 Cream	Venetian	11	#							0.9820									
24025	ScreenLine SL19/20/22 Venetian Closed S149 Cream	Venetian	11	#							0.7860									
24026	ScreenLine SL19/20/22 Venetian 45 S149 Cream	Venetian	11	#							0.9749									

Intigral

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB	
			#	Cert																
24027	ScreenLine SL19/20/22 Venetian Open S155 Matt Grey	Venetian	11	#							0.9820									
24028	ScreenLine SL19/20/22 Venetian Closed S155 Matt Grey	Venetian	11	#							0.7860									
24029	ScreenLine SL19/20/22 Venetian 45 S155 Matt Grey	Venetian	11	#							0.9749									
24030	ScreenLine SL19/20/22 Venetian Open S156 Glittery Silver	Venetian	11	#							0.9820									
24031	ScreenLine SL19/20/22 Venetian Closed S156 Glittery Silver	Venetian	11	#							0.7860									
24032	ScreenLine SL19/20/22 Venetian 45 S156 Glittery Silver	Venetian	11	#							0.9749									
24033	ScreenLine SL19/20/22 Venetian Open S157 Satin Silver	Venetian	11	#							0.9820									
24034	ScreenLine SL19/20/22 Venetian Closed S157 Satin Silver	Venetian	11	#							0.7860									
24035	ScreenLine SL19/20/22 Venetian 45 S157 Satin Silver	Venetian	11	#							0.9749									

Intigral

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB	
			#	Cert																
24036	ScreenLine SL27/29/32 Venetian Open S102 White	Venetian	11	#							0.9850									
24037	ScreenLine SL27/29/32 Venetian Closed S102 White	Venetian	11	#							0.8470									
24038	ScreenLine SL27/29/32 Venetian 45 S102 White	Venetian	11	#							0.9790									

Levolor

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
			#	Cert															
11000	Origami	BSDF File	10	@	2014-SC42.XML	0	0.150	0.6904	0.6904	0.1017	0.0054	0.033	0.033	0.304	0.304	0.102	0.102	0.426	0.426
23000	Accordia Classic LF Toffee	Cellular Shade	10	@	Levolor_19570216.t hmx	22		0.8334	0.8452	0.0192	0.0347	0.200	0.199	0.506	0.197	0.237	0.236	0.494	0.249
23001	Accordia LF Cream	Cellular Shade	10	@	Levolor_19170202.t hmx	24		0.7923	0.8654	0.0149	0.0098	0.268	0.269	0.596	0.547	0.265	0.265	0.576	0.539
23002	Accordia Designer Colors LF Snow	Cellular Shade	10	@	Levolor_19470199.t hmx	20		0.8058	0.8058	0.0083	0.0000	0.224	0.225	0.659	0.659	0.217	0.217	0.631	0.632
23003	Accordia Designer Colors LF Snow	Cellular Shade	10	@	Levolor_12470199.t hmx	24		0.7896	0.7896	0.0002	0.0000	0.059	0.059	0.679	0.678	0.057	0.057	0.652	0.651
23004	Classic RD snow	Cellular Shade	10	@	Levolor_19070199.t hmx	26		0.8480	0.8481	0.0000	0.0000	0.000	0.000	0.701	0.702	0.000	0.000	0.697	0.697
23005	Mosaic RD Snow	Cellular Shade	10	@	Levolor_53970199.t hmx	33		0.7925	0.7925	0.0011	0.0000	0.000	0.000	0.705	0.705	0.000	0.000	0.697	0.697

Living Shade

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
			#	Cert															
2000	Twilight 279-A10 Light Grey	BSDF File	10	@	Living Shade- Twilight 279-A10 Light Grey-oz12.xml	1	0.140	0.4302	0.8182	0.0821	0.0814	0.166	0.170	0.492	0.492	0.163	0.166	0.506	0.377

MechoShade

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
15000	EuroTwill Reversible Twill Weave Shadecloth 3%,6220 black/white	BSDF File	10	@	2011-SA59.XML	1	0.150	0.8273	0.8273	0.0875	0.0631	0.092	0.089	0.382	0.626	0.105	0.101	0.319	0.533
15001	EuroTwill Reversible Twill Weave Shadecloth 3%,6020 white/black	BSDF File	10	@	2011-SA60.XML	1	0.150	0.8281	0.8281	0.1000	0.0527	0.083	0.079	0.376	0.636	0.096	0.091	0.317	0.547

Mermet

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
16000	Natte White	BSDF File	10	@	2011-SA24.XML	1	0.150	0.7739	0.7739	0.1486	0.1129	0.262	0.262	0.697	0.697	0.279	0.279	0.625	0.625
16001	Natte Charcoal	BSDF File	10	@	2011-SA43.XML	1	0.150	0.7868	0.7868	0.1415	0.1108	0.116	0.116	0.060	0.060	0.117	0.117	0.059	0.059
16002	Satine Charcoal	BSDF File	10	@	2011-SA25.XML	1	0.150	0.8195	0.8195	0.0935	0.0504	0.055	0.055	0.058	0.058	0.056	0.056	0.058	0.058
16003	Satine White	BSDF File	10	@	2011-SA26.XML	1	0.150	0.8260	0.8260	0.0807	0.0483	0.214	0.214	0.746	0.746	0.227	0.227	0.672	0.672
16004	Vienne Charcoal	BSDF File	10	@	2011-SA44.XML	1	0.150	0.8271	0.8271	0.0938	0.0945	0.101	0.101	0.063	0.063	0.103	0.103	0.064	0.064
16010	Lintex 600400 White 9038	BSDF File	10	@	Mermet-Lintex 60040 White 9038- oz33.xml	1	0.140	0.7778	0.7778	0.1363	0.0006	0.468	0.468	0.481	0.481	0.476	0.476	0.465	0.465
16011	M-Screen 8505 White 0202	BSDF File	10	@	Mermet-M-Screen 8505 White 0202- oz32.xml	1	0.140	0.8254	0.8254	0.0874	0.0508	0.182	0.182	0.785	0.785	0.204	0.204	0.702	0.702

Nolan.UDA

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
2500	Horizon 90 Mesh, Grey/Grey	BSDF File	10	@	Nolan_UDA- Horizon 90 Mesh Grey-Grey-oz24.xml	1	0.140	0.7534	0.7534	0.1730	0.0000	0.220	0.220	0.261	0.261	0.241	0.241	0.259	0.259

Nysan

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
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Nysan

ID	Name	Type	DB Ver		XML Filename	t	k	ef	eb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
			#	Cert		(mm)	(W/m-k)												
6000	Hexcel Screen2 (S2) 3%, White Pearl	BSDF File	10	@	2011-SA9.XML	1	0.150	0.7915	0.7915	0.1140	0.0350	0.152	0.167	0.617	0.440	0.184	0.198	0.568	0.435
6001	GreenScreen Eco 3%, Pewter Platinum	BSDF File	10	@	2011-SA2.XML	1	0.150	0.8732	0.5637	0.0624	0.0126	0.040	0.040	0.113	0.113	0.094	0.094	0.319	0.319
6002	GreenScreen Eco 3%, Charcoal Bronze	BSDF File	10	@	2011-SA4.XML	1	0.150	0.8195	0.8195	0.0935	0.0266	0.087	0.087	0.146	0.146	0.333	0.333	0.291	0.291
6003	GreenScreen Eco Dual Tone 3%, Pewter Pearl	BSDF File	10	@	2011-SA3.XML	1	0.150	0.8372	0.5581	0.0643	0.0578	0.153	0.153	0.401	0.401	0.328	0.328	0.329	0.329
6004	GreenScreen Eco 1%, Pearl	BSDF File	10	@	2011-SA11.XML	1	0.150	0.8375	0.8375	0.0812	0.0175	0.237	0.237	0.320	0.320	0.379	0.379	0.420	0.420
6005	GreenScreen Eco 1%, Pewter	BSDF File	10	@	2011-SA12.XML	1	0.150	0.8483	0.8483	0.0662	0.0145	0.094	0.088	0.106	0.117	0.329	0.326	0.327	0.331
6006	Satine 5500 5%, White Pearl	BSDF File	10	@	2011-SA1.XML	1	0.150	0.7962	0.7962	0.1091	0.0498	0.095	0.094	0.482	0.560	0.117	0.116	0.465	0.525
6007	Satine 5500 5%, Dark Grey White	BSDF File	10	@	2011-SA5.XML	1	0.150	0.8339	0.8339	0.0736	0.0438	0.078	0.077	0.317	0.432	0.108	0.107	0.326	0.414
6008	SuperScreen (300) 3%, White Pearl	BSDF File	10	@	2011-SA7.XML	1	0.150	0.8561	0.8561	0.0572	0.0224	0.135	0.135	0.611	0.611	0.167	0.167	0.547	0.547
6009	SuperScreen 3%, Pewter	BSDF File	10	@	2011-SA8.XML	1	0.150	0.8684	0.8684	0.0468	0.0244	0.044	0.044	0.170	0.170	0.087	0.087	0.208	0.208
6010	SuperTwill 3%, Bronze Linen Pewter	BSDF File	10	@	2011-SA10.XML	1	0.150	0.8358	0.8358	0.0656	0.0291	0.074	0.066	0.220	0.373	0.106	0.097	0.226	0.356
6011	SuperWeave 5%, Pewter	BSDF File	10	@	2011-SA6.XML	1	0.150	0.8233	0.8233	0.0937	0.0627	0.078	0.078	0.170	0.170	0.114	0.114	0.208	0.208
6012	Serge (Helioscreen) 3% 2165, Grey White	BSDF File	10	@	2011-SA82.XML	1	0.150	0.8616	0.8542	0.0518	0.0518	0.069	0.066	0.316	0.433	0.094	0.092	0.329	0.420
6013	Serge 2165, Pearl White	BSDF File	10	@	2011-SA81.XML	1	0.150	0.8396	0.8318	0.0733	0.0733	0.123	0.124	0.497	0.568	0.141	0.142	0.460	0.518
6014	Paradise 11600, White	BSDF File	10	@	2011-SA80.XML	1	0.150	0.8821	0.8821	0.0471	0.0471	0.311	0.311	0.631	0.631	0.302	0.302	0.600	0.600

ODL

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
			#	Cert															
22000	White Venetian Blind, 1.06" IG, Open (ODL)	Venetian	8	#							0.9872								
22001	White Venetian Blind, 1.06" IG, Closed (ODL)	Venetian	8	#							0.7570								
22002	White Venetian Blind, 1.06" IG, 45 (ODL)	Venetian	8	#							0.9820								
22006	Espresso Venetian Blind, 1" IG, Open (ODL)	Venetian	8	#							0.9846								
22007	Espresso Venetian Blind, 1" IG, Closed (ODL)	Venetian	8	#							0.7793								
22008	Espresso Venetian Blind, 1" IG, 45 (ODL)	Venetian	8	#							0.9782								
22009	Sand Venetian Blind, 1" IG, Open (ODL)	Venetian	8	#							0.9846								
22010	Sand Venetian Blind, 1" IG, Closed (ODL)	Venetian	8	#							0.7793								
22011	Sand Venetian Blind, 1" IG, 45 (ODL)	Venetian	8	#							0.9782								
22012	Tan Venetian Blind, 1" IG, Open (ODL)	Venetian	8	#							0.9846								
22013	Tan Venetian Blind, 1" IG, Closed (ODL)	Venetian	8	#							0.7793								
22014	Tan Venetian Blind, 1" IG, 45 (ODL)	Venetian	8	#							0.9782								

ODL

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	Tsolf	TsolB	Rsolf	RsolB	
			#	Cert																
22015	White Venetian Blind, 1" IG, Open (ODL)	Venetian	8	#							0.9844									
22016	White Venetian Blind, 1" IG, Closed (ODL)	Venetian	8	#							0.7764									
22017	White Venetian Blind, 1" IG, 45 (ODL)	Venetian	8	#							0.9779									
22020	Espresso Venetian Blind, 1.06" IG, Open (ODL)	Venetian	8	#							0.9874									
22021	Espresso Venetian Blind, 1.06" IG, Closed (ODL)	Venetian	8	#							0.7601									
22022	Espresso Venetian Blind, 1.06" IG, 45 (ODL)	Venetian	8	#							0.9822									
22023	Sand Venetian Blind, 1.06" IG, Open (ODL)	Venetian	8	#							0.9874									
22024	Sand Venetian Blind, 1.06" IG, Closed (ODL)	Venetian	8	#							0.7601									
22025	Sand Venetian Blind, 1.06" IG, 45 (ODL)	Venetian	8	#							0.9822									
22026	Tan Venetian Blind, 1.06" IG, Open (ODL)	Venetian	8	#							0.9874									
22027	Tan Venetian Blind, 1.06" IG, Closed (ODL)	Venetian	8	#							0.7601									
22028	Tan Venetian Blind, 1.06" IG, 45 (ODL)	Venetian	8	#							0.9822									

ODL

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB	
			#	Cert																
22029	White Venetian Blind, 7/8" IG, Tilt Only, Open (ODL)	Venetian	11	#							0.9827									
22030	White Venetian Blind, 7/8" IG, Tilt Only, Closed (ODL)	Venetian	11	#							0.7914									
22031	White Venetian Blind, 7/8" IG, Tilt Only, 45 (ODL)	Venetian	11	#							0.9758									
22032	Espresso Venetian Blind, 7/8" IG, Tilt Only, Open (ODL)	Venetian	11	#							0.9829									
22033	Espresso Venetian Blind, 7/8" IG, Tilt Only, Closed (ODL)	Venetian	11	#							0.7937									
22034	Espresso Venetian Blind, 7/8" IG, Tilt Only, 45 (ODL)	Venetian	11	#							0.9762									
22035	Sand Venetian Blind, 7/8" IG, Tilt Only, Open (ODL)	Venetian	11	#							0.9829									
22036	Sand Venetian Blind, 7/8" IG, Tilt Only, Closed (ODL)	Venetian	11	#							0.7937									
22037	Sand Venetian Blind, 7/8" IG, Tilt Only, 45 (ODL)	Venetian	11	#							0.9762									
22038	Tan Venetian Blind, 7/8" IG, Tilt Only, Open (ODL)	Venetian	11	#							0.9829									
22039	Tan Venetian Blind, 7/8" IG, Tilt Only, Closed (ODL)	Venetian	11	#							0.7937									
22040	Tan Venetian Blind, 7/8" IG, Tilt Only, 45 (ODL)	Venetian	11	#							0.9762									

ODL

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB	
			#	Cert																
22041	White Venetian Blind, 7/8" IG, RLT, Open (ODL)	Venetian	11	#							0.9788									
22042	White Venetian Blind, 7/8" IG, RLT, Closed (ODL)	Venetian	11	#							0.8232									
22043	White Venetian Blind, 7/8" IG, RLT, 45 (ODL)	Venetian	11	#							0.9705									
22044	Espresso Venetian Blind, 7/8" IG, RLT, Open (ODL)	Venetian	11	#							0.9791									
22045	Espresso Venetian Blind, 7/8" IG, RLT, Closed (ODL)	Venetian	11	#							0.8253									
22046	Espresso Venetian Blind, 7/8" IG, RLT, 45 (ODL)	Venetian	11	#							0.9709									
22047	Sand Venetian Blind, 7/8" IG, RLT, Open (ODL)	Venetian	11	#							0.9791									
22048	Sand Venetian Blind, 7/8" IG, RLT, Closed (ODL)	Venetian	11	#							0.8253									
22049	Sand Venetian Blind, 7/8" IG, RLT, 45 (ODL)	Venetian	11	#							0.9709									
22050	Tan Venetian Blind, 7/8" IG, RLT, Open (ODL)	Venetian	11	#							0.9791									
22051	Tan Venetian Blind, 7/8" IG, RLT, Closed (ODL)	Venetian	11	#							0.8253									
22052	Tan Venetian Blind, 7/8" IG, RLT, 45 (ODL)	Venetian	11	#							0.9709									

Pella

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB	
			#	Cert																
3000	Slim White VB Closed	Venetian	1	#							0.9546									
3001	Slim White VB 45	Venetian	1	#							0.9888									
3002	Slim White Open	Venetian	1	#							0.9916									
3003	Slim Marine Closed	Venetian	1	#							0.9917									
3004	Slim Marine 45	Venetian	1	#							0.9888									
3005	Slim Marine Open	Venetian	1	#							0.9921									

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ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
			#	Cert															
17000	sheerWeave 2360, P12 Oyster	BSDF File	10	@	2011-SA23.XML	1	0.150	0.7778	0.7778	0.1363	0.0980	0.255	0.255	0.699	0.699	0.277	0.277	0.621	0.621
17001	sheerWeave 2703, P13 Oyster/Beige	BSDF File	10	@	2011-SA14.XML	1	0.150	0.8166	0.8166	0.0933	0.0442	0.164	0.154	0.555	0.664	0.185	0.175	0.511	0.596
17002	sheerWeave 4000, V 10 Ebony	BSDF File	10	@	2011-SA13.XML	1	0.150	0.8083	0.8083	0.0988	0.0663	0.070	0.070	0.035	0.035	0.070	0.070	0.034	0.034
17003	sheerWeave 4100,V07 Pewter	BSDF File	10	@	2011-SA15.XML	1	0.150	0.8030	0.8030	0.1042	0.0840	0.101	0.101	0.316	0.316	0.108	0.108	0.292	0.292
17004	sheerWeave 5000,Q94 Tweed/Oatmeal	BSDF File	10	@	2011-SA42.XML	1	0.150	0.8080	0.8080	0.0725	0.0514	0.078	0.078	0.313	0.376	0.112	0.111	0.319	0.419
17005	sheerWeave 7300,R29 Hide	BSDF File	10	@	2011-SA16.XML	1	0.150	0.8597	0.8699	0.0001	0.0000	0.000	0.000	0.807	0.170	0.000	0.000	0.730	0.445
17006	SunTex 80, Brown	BSDF File	10	@	2011-SA17.XML	1	0.150	0.6700	0.6700	0.2557	0.2739	0.285	0.285	0.035	0.035	0.284	0.284	0.034	0.034
17007	SunTex 90, Black	BSDF File	10	@	2011-SA84.XML	1	0.150	0.7817	0.7817	0.1231	0.1231	0.143	0.143	0.033	0.033	0.143	0.143	0.034	0.034
17008	SuperSolar Screening +, Charcoal	BSDF File	10	@	2011-SA83.XML	1	0.150	0.7224	0.7224	0.1898	0.1898	0.146	0.146	0.047	0.047	0.147	0.147	0.051	0.051
17009	sheerWeave 2390 Performance + Q20 Beige	BSDF File	10	@	2014-SC20.XML	0	0.150	0.1617	0.7928	0.0465	0.0605	0.079	0.077	0.695	0.540	0.082	0.080	0.705	0.507
17010	sheerWeave 2410 Performance + P13 Oyster/Beige	BSDF File	10	@	2014-SC21.XML	0	0.150	0.2029	0.8310	0.0000	0.0369	0.053	0.053	0.703	0.651	0.055	0.055	0.713	0.600

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ID	Name	Type	DB Ver		XML Filename	t	k	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
			#	Cert		(mm)	(W/m-k)												
17011	sheerWeave 2390 Performance + P13 Oyster/Beige	BSDF File	10	@	2014-SC22.XML	0	0.150	0.1682	0.8036	0.0278	0.0577	0.082	0.080	0.703	0.649	0.084	0.083	0.712	0.593
17012	sheerWeave 2390 Performance + P12 Oyster	BSDF File	10	@	2014-SC23.XML	0	0.150	0.1945	0.8223	0.0386	0.0570	0.084	0.081	0.687	0.741	0.085	0.082	0.696	0.665
17013	sheerWeave 2390 Performance + Q21 Beige/Pearl Gray	BSDF File	10	@	2014-SC24.XML	0	0.150	0.1867	0.8242	0.0233	0.0585	0.077	0.071	0.689	0.453	0.079	0.074	0.698	0.423
17014	sheerWeave 2410 Performance + V20 Pearl Gray	BSDF File	10	@	2014-SC25.XML	0	0.150	0.1417	0.8280	0.0474	0.0342	0.045	0.040	0.714	0.363	0.047	0.042	0.723	0.346
17015	sheerWeave 2410 Performance + Q20 Beige	BSDF File	10	@	2014-SC26.XML	0	0.150	0.1790	0.8310	0.0229	0.0417	0.059	0.055	0.702	0.556	0.061	0.058	0.711	0.525
17016	sheerWeave 2410 Performance + V21 Charcoal	BSDF File	10	@	2014-SC27.XML	0	0.150	0.1714	0.8452	0.0225	0.0363	0.043	0.039	0.703	0.044	0.044	0.039	0.713	0.045
17017	sheerWeave 2390 Performance + V22 Charcoal Gray	BSDF File	10	@	2014-SC28.XML	0	0.150	0.1756	0.8047	0.0446	0.0664	0.076	0.071	0.687	0.100	0.077	0.071	0.696	0.094
17018	sheerWeave 2390 Performance + P14 Oyster/Pearl Gray	BSDF File	10	@	2014-SC29.XML	0	0.150	0.1605	0.8139	0.0660	0.0598	0.078	0.075	0.692	0.538	0.080	0.077	0.701	0.492
17019	sheerWeave 2390 Performance + V20 Pearl Gray	BSDF File	10	@	2014-SC30.XML	0	0.150	0.1562	0.8059	0.0218	0.0537	0.068	0.062	0.716	0.356	0.069	0.064	0.726	0.339
17020	sheerWeave 2410 Performance + Q21 Beige/Pearl Gray	BSDF File	10	@	2014-SC31.XML	0	0.150	0.1826	0.8102	0.0334	0.0590	0.076	0.071	0.688	0.449	0.078	0.074	0.698	0.419
17021	sheerWeave 2410 Performance + P12 Oyster	BSDF File	10	@	2014-SC33.XML	0	0.150	0.2098	0.8616	0.0001	0.0291	0.048	0.047	0.702	0.778	0.050	0.049	0.711	0.699

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ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
17022	sheerWeave 2410 Performance + P14 Oyster/Pearl Gray	BSDF File	10	@	2014-SC34.XML	0	0.150	0.1790	0.8752	0.0229	0.0307	0.041	0.040	0.710	0.533	0.043	0.041	0.720	0.484
17023	sheerWeave 2390 Performance + V21 Charcoal	BSDF File	10	@	2014-SC35.XML	0	0.150	0.1771	0.8058	0.0481	0.0690	0.082	0.073	0.680	0.043	0.083	0.073	0.691	0.044
17024	sheerWeave 2410 Performance + V22 Charcoal Gray	BSDF File	10	@	2014-SC36.XML	0	0.150	0.1724	0.8425	0.0226	0.0367	0.045	0.040	0.696	0.109	0.045	0.040	0.706	0.101
17025	sheerWeave 2390 Performance + V24 CCL/Chestnut	BSDF File	10	@	2014-SC37.XML	0	0.150	0.1851	0.7840	0.0552	0.0677	0.082	0.072	0.652	0.056	0.083	0.073	0.661	0.067
17026	sheerWeave 2410 Performance + V24 CCL/Chestnut	BSDF File	10	@	2014-SC38.XML	0	0.150	0.1813	0.8320	0.0006	0.0378	0.047	0.041	0.696	0.058	0.048	0.041	0.707	0.069

Ricky Richards

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
1000	Black, Close Weave	BSDF File	10	@	Ricky Richards-Black Close Weave-oz20.xml	1	0.140	0.8416	0.8416	0.0740	0.0410	0.045	0.045	0.065	0.065	0.045	0.045	0.061	0.061

Shanghai King Shine Plastic M

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
24500	White Venetian Blind Open (Shanghai King Shine)	Venetian	7	#							0.9859								
24501	White Venetian Blind Closed (Shanghai King Shine)	Venetian	7	#							0.0000								
24502	White Venetian Blind 45 (Shanghai King Shine)	Venetian	7	#							0.9800								

Shaw

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
1500	Alabaster 2772	BSDF File	10	@	Shaw-Alabaster 2772-oz35.xml	1	0.140	0.8799	0.8697	0.0001	0.0000	0.000	0.000	0.826	0.826	0.000	0.000	0.758	0.672
1501	Urbanshade White 2685	BSDF File	10	@	Shaw-Urbanshade White 2685- oz34.xml	1	0.140	0.8128	0.8128	0.0727	0.0000	0.000	0.000	0.850	0.850	0.000	0.000	0.797	0.738

Solar Comfort

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
18000	Solar Comfort Radiant Barrier	Perforated Screen	4	@							0.3700								

Springs Windows Fashions

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
21000	Cocoon Mist 3812	BSDF File	10	@	2014-SC5.XML	0	0.150	0.7609	0.7609	0.0000	0.0000	0.000	0.000	0.605	0.721	0.001	0.001	0.661	0.720
21001	Solitude Coffee 1707	BSDF File	10	@	2014-SC6.XML	0	0.150	0.7119	0.7119	0.0000	0.0000	0.000	0.000	0.213	0.687	0.000	0.000	0.441	0.710
21002	Zest Spruce 2203	BSDF File	10	@	2014-SC7.XML	0	0.150	0.6988	0.6988	0.0973	0.0092	0.389	0.458	0.344	0.543	0.429	0.460	0.432	0.536
21003	Iron Gate 2441	BSDF File	10	@	2014-SC8.XML	0	0.150	0.7154	0.7154	0.0874	0.0121	0.121	0.464	0.081	0.553	0.281	0.466	0.303	0.547
21004	Daydream Camel	BSDF File	10	@	2014-SC9.XML	0	0.150	0.7170	0.7170	0.1269	0.0362	0.438	0.604	0.240	0.390	0.466	0.608	0.257	0.385
21005	Ferrari FT381	BSDF File	10	@	2014-SC10.XML	0	0.150	0.5068	0.6233	0.2945	0.2381	0.252	0.254	0.411	0.428	0.258	0.259	0.400	0.410

Sunset Windows and Doors LL

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
27000	Sunset White Venetian Blind Open	Venetian	10	#							0.9768								
27001	Sunset White Venetian Blind Closed	Venetian	10	#							0.6690								
27002	Sunset White Venetian Blind 45	Venetian	10	#							0.9672								

Trimlite

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
25000	White Venetian Blind Open (Trimlite)	Venetian	7	#							0.9856								
25001	White Venetian Blind Closed (Trimlite)	Venetian	7	#							0.7946								
25002	White Venetian Blind 45 (Trimlite)	Venetian	7	#							0.9797								

Twitchell

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
19000	ShadeView, Light Grey	BSDF File	10	@	2011-SA19.XML	1	0.150	0.7675	0.7675	0.1439	0.1597	0.271	0.271	0.303	0.303	0.287	0.287	0.285	0.285
19001	Sunsure, Royal Blue	BSDF File	10	@	2011-SA20.XML	1	0.150	0.8214	0.8214	0.0731	0.0765	0.087	0.087	0.108	0.108	0.201	0.201	0.302	0.302
19002	Textilene,awning White	BSDF File	10	@	2011-SA18.XML	1	0.150	0.8292	0.8292	0.0734	0.0685	0.132	0.132	0.819	0.819	0.175	0.175	0.729	0.729
19003	Textilene 80, Black	BSDF File	10	@	2011-SA22.XML	1	0.150	0.6446	0.6446	0.2828	0.2798	0.290	0.290	0.029	0.029	0.289	0.289	0.028	0.028
19004	Textilene 90, Black	BSDF File	10	@	2011-SA21.XML	1	0.150	0.7812	0.7812	0.1277	0.1338	0.141	0.141	0.035	0.035	0.141	0.141	0.034	0.034

Uniline

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
4000	Uniview Charcoal	BSDF File	10	@	Uniline-Uniview Charcoal-oz61.xml	1	0.140	0.8608	0.8608	0.0748	0.0650	0.069	0.069	0.037	0.037	0.069	0.069	0.036	0.036

Verosol

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
20000	EnviroScreen 810/998, grey(dark)silver	BSDF File	10	@	2011-SA69.XML	1	0.150	0.6876	0.2925	0.1461	0.1115	0.119	0.119	0.114	0.114	0.130	0.130	0.377	0.377
20001	EnviroScreen 810/000, silver/silver	BSDF File	10	@	2011-SA70.XML	1	0.150	0.2837	0.2837	0.0984	0.1289	0.154	0.154	0.542	0.542	0.155	0.155	0.536	0.536

Verosol

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
20002	EnviroScreen 810/711, gold/silver	BSDF File	10	@	2011-SA71.XML	1	0.150	0.6894	0.3012	0.1469	0.1063	0.140	0.140	0.508	0.508	0.143	0.143	0.528	0.528
20003	EnviroScreen 810/936, grey(light)/silver	BSDF File	10	@	2011-SA72.XML	1	0.150	0.6798	0.2824	0.1488	0.1113	0.125	0.125	0.260	0.260	0.132	0.132	0.440	0.440
20004	SilverScreen EB01,black/silver	BSDF File	10	@	2011-SA73.XML	1	0.150	0.8394	0.1439	0.0664	0.0382	0.041	0.041	0.053	0.053	0.041	0.041	0.052	0.052
20005	SilverScreen EB03,white+light grey/silver	BSDF File	10	@	2011-SA77.XML	1	0.150	0.8432	0.1637	0.0408	0.0337	0.035	0.035	0.139	0.139	0.035	0.035	0.133	0.133
20006	SilverScreen EB04,black+brown/silver	BSDF File	10	@	2011-SA76.XML	1	0.150	0.8102	0.1375	0.0674	0.0346	0.040	0.040	0.064	0.064	0.040	0.040	0.064	0.064
20007	SilverScreen EC01,dark grey/silver	BSDF File	10	@	2011-SA79.XML	1	0.150	0.8483	0.1236	0.0569	0.0396	0.046	0.046	0.392	0.392	0.047	0.047	0.378	0.378
20008	SilverScreen EC02,dark+light grey/silver	BSDF File	10	@	2011-SA74.XML	1	0.150	0.8406	0.1708	0.0441	0.0000	0.044	0.044	0.297	0.297	0.045	0.045	0.307	0.307
20009	SilverScreen ED03,light grey/silver	BSDF File	10	@	2011-SA78.XML	1	0.150	0.8191	0.1352	0.0629	0.0368	0.044	0.044	0.587	0.587	0.045	0.045	0.529	0.529
20010	SilverScreen ED04,tan+pearl/silver	BSDF File	10	@	2011-SA75.XML	1	0.150	0.8413	0.1320	0.0592	0.0337	0.041	0.041	0.586	0.586	0.043	0.043	0.562	0.562
20011	Silverscreen 205ED02	BSDF File	10	@	Verosol Silverscreen 205ED02-SE21.xml	0	0.300	0.8810	0.1173	0.0200	0.0348	0.045	0.045	0.679	0.679	0.047	0.047	0.632	0.632
20012	Silverscreen 205EC01	BSDF File	10	@	Verosol Silverscreen 205EC01-SE22rev.xml	0	0.300	0.1062	0.8612	0.0200	0.0380	0.052	0.047	0.742	0.378	0.053	0.048	0.761	0.357
20013	205-EB03	BSDF File	10	@	Verosol 205-EB03-SE23rev.xml	0	0.300	0.1097	0.8501	0.0541	0.0400	0.052	0.045	0.742	0.130	0.053	0.045	0.763	0.123
20014	205-ED01	BSDF File	10	@	Verosol 205-ED01-SE24rev.xml	0	0.300	0.0767	0.8327	0.0491	0.0412	0.058	0.053	0.762	0.770	0.060	0.054	0.782	0.692

Verosol

ID	Name	Type	DB Ver		XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
			#	Cert															
20015	205-ED04	BSDF File	10	@	Verosol 205-ED04-SE25rev.xml	0	0.300	0.0960	0.7910	0.0734	0.0422	0.059	0.052	0.758	0.556	0.060	0.054	0.773	0.533
20016	205-ED03	BSDF File	10	@	Verosol 205-ED03-SE26rev.xml	0	0.300	0.1054	0.8327	0.0523	0.0398	0.056	0.051	0.745	0.586	0.057	0.052	0.766	0.535
20017	205-EB04	BSDF File	10	@	Verosol 205-EB04-SE27rev.xml	0	0.300	0.1044	0.8752	0.0353	0.0413	0.054	0.046	0.743	0.063	0.054	0.046	0.761	0.063
20018	205-EB02	BSDF File	10	@	Verosol 205-EB02-SE28rev.xml	0	0.300	0.1092	0.8413	0.0546	0.0340	0.045	0.038	0.756	0.087	0.048	0.038	0.783	0.092
20019	202-ED01	BSDF File	10	@	Verosol 202-ED01-SE29rev.xml	0	0.300	0.0938	0.8539	0.0232	0.0186	0.029	0.026	0.749	0.813	0.027	0.026	0.770	0.740
20020	205-EC02	BSDF File	10	@	Verosol 205-EC02-SE31rev.xml	0	0.300	0.1144	0.8252	0.0567	0.0369	0.051	0.045	0.746	0.285	0.052	0.046	0.766	0.293
20021	205-EB01	BSDF File	10	@	Verosol 205-EB01-SE32rev.xml	0	0.300	0.1111	0.8004	0.0875	0.0359	0.045	0.039	0.749	0.053	0.045	0.039	0.764	0.052
20022	SWC M392	BSDF File	10	@	Verosol SWC M392-SE40rev.xml	0	0.300	0.1025	0.7706	0.1046	0.0388	0.040	0.039	0.736	0.112	0.040	0.039	0.755	0.061
20023	304 CC20	BSDF File	10	@	Verosol 304 CC20-SE41rev.xml	0	0.300	0.1090	0.7208	0.1224	0.0393	0.051	0.055	0.739	0.509	0.053	0.058	0.756	0.522
20024	805 000	BSDF File	10	@	Verosol 805 000-SE42rev.xml	0	0.300	0.2719	0.7859	0.0568	0.0467	0.072	0.080	0.677	0.588	0.074	0.082	0.693	0.563
20025	805 711	BSDF File	10	@	Verosol 805 711-SE43rev.xml	0	0.300	0.2113	0.7742	0.0933	0.0462	0.068	0.068	1.493	1.493	0.072	0.072	0.692	0.692
20026	805 765	BSDF File	10	@	Verosol 805 765-SE44rev.xml	0	0.300	0.2159	0.7658	0.0969	0.0477	0.067	0.074	0.686	0.390	0.073	0.081	0.701	0.489
20027	802 765	BSDF File	10	@	Verosol 802 765-SE45rev.xml	0	0.300	0.2155	0.8272	0.0520	0.0134	0.029	0.036	0.706	0.430	0.034	0.042	0.725	0.527
20028	802 000	BSDF File	10	@	Verosol 802 000-SE46rev.xml	0	0.300	0.0570	0.8464	0.0410	0.0125	0.033	0.033	0.713	0.623	0.035	0.034	0.729	0.595
20029	802 711	BSDF File	10	@	Verosol 802 711-SE47rev.xml	0	0.300	0.2085	0.8584	0.0451	0.0127	0.031	0.039	0.706	0.518	0.035	0.043	0.723	0.553
20030	802 829	BSDF File	10	@	Verosol 802 829-SE48rev.xml	0	0.300	0.2211	0.8169	0.0559	0.0119	0.015	0.017	0.707	0.058	0.027	0.034	0.725	0.371
20031	802 936	BSDF File	10	@	Verosol 802 936-SE49rev.xml	0	0.300	0.2060	0.7946	0.0669	0.0121	0.023	0.028	0.711	0.252	0.030	0.039	0.728	0.460
20032	802 998	BSDF File	10	@	Verosol 802 998-SE50rev.xml	0	0.300	0.2298	0.8576	0.0164	0.0077	0.013	0.016	0.719	0.093	0.024	0.030	0.736	0.394

Verosol

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
20033	805 998	BSDF File	10	@	Verosol 805 998-SE51rev.xml	0	0.300	0.1973	0.7531	0.1095	0.0432	0.051	0.054	0.689	0.105	0.063	0.070	0.705	0.380
20034	805 936	BSDF File	10	@	Verosol 805 936-SE52rev.xml	0	0.300	0.2059	0.8311	0.0614	0.0437	0.057	0.062	0.691	0.230	0.067	0.075	0.707	0.437
20035	805 829	BSDF File	10	@	Verosol 805 829-SE53rev.xml	0	0.300	0.2059	0.7599	0.0917	0.0487	0.054	0.053	0.681	0.043	0.070	0.075	0.698	0.348

Viracon

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
5000	Viraspan(TM) Medium Gray (V-948) 30%	Fritted Glass	1								0.0000								
5001	Simulated Sandblast (V-1086) 70%	Fritted Glass	1								0.0000								

WinBuild

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
26000	Golden low-E fabric WBI1W	BSDF File	10	@	WBI1W.xml	0	0.120	0.1549	0.1549	0.0000	0.0085	0.012	0.012	0.414	0.414	0.012	0.012	0.430	0.430
26001	Golden low-E fabric WBI1W - 5% openness	BSDF File	10	@	WBI1W_5.xml	0	0.120	0.1472	0.1472	0.0500	0.0585	0.062	0.062	0.393	0.393	0.062	0.062	0.409	0.409
26002	Golden low-E fabric WBI1W - 10% openness	BSDF File	10	@	WBI1W_10.xml	0	0.120	0.1394	0.1394	0.1000	0.1085	0.112	0.112	0.372	0.372	0.112	0.112	0.387	0.387
26003	Golden low-E fabric WBI2W	BSDF File	10	@	WBI2W.xml	0	0.120	0.1549	0.1549	0.0000	0.0092	0.011	0.011	0.442	0.442	0.012	0.012	0.461	0.461
26004	Golden low-E fabric WBI3W	BSDF File	10	@	WBI3W.xml	0	0.120	0.1785	0.1785	0.2217	0.1446	0.171	0.171	0.295	0.295	0.174	0.174	0.314	0.314