

# Complex Glazing Database: Version 39.0

## Shading Layers

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

### New Records:

- There are no new Shading Layers in this version

### Deleted Records:

- ClearVue: All records have been deleted.

### Alkenz

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
7000	Sunshadow 3000, N901 Charcoal	BSDF File	31		2011- SA31.XML	1	0.15	0.847	0.847	0.0661	0.0483	0.052	0.052	0.043	0.043	0.052	0.05	0.041	0.041
7001	Sunshadow 3100, N002 white/bone	BSDF File	31		2011- SA30.XML	1	0.15	0.785	0.785	0.128	0.0886	0.228	0.228	0.605	0.605	0.292	0.29	0.541	0.541
7002	Sunshadow 4000, N902 Charcoal/Bronze	BSDF File	31		2011- SA27.XML	1	0.15	0.815	0.815	0.0933	0.0700	0.073	0.073	0.062	0.062	0.079	0.08	0.072	0.072
7003	Sunshadow 4100, N301 Grey	BSDF File	31		2011- SA28.XML	1	0.15	0.785	0.785	0.1186	0.0649	0.08	0.08	0.314	0.314	0.108	0.11	0.305	0.305
7004	Sunshadow CA, CA02 White Moccasin	BSDF File	31		2011- SA29.XML	1	0.15	0.817	0.817	0.087	0.0768	0.208	0.208	0.666	0.666	0.255	0.26	0.609	0.609
7005	3000 NET 5% N901 Charcoal/Charcoal	BSDF File	31		Alkenz-Sunshadow 3000 NET 5 N901 Charcoal-Charcoal-SE01.xml	0.8	0.3	0.848	0.848	0.0662	0.0509	0.054	0.054	0.048	0.048	0.055	0.06	0.047	0.047
7006	4000 NET 5% N901 Charcoal/Charcoal	BSDF File	31		Alkenz-Sunshadow 4000 NET 5 N901 Charcoal-Charcoal-SE02.xml	0.8	0.3	0.841	0.841	0.074	0.0566	0.060	0.060	0.044	0.044	0.061	0.06	0.042	0.042

**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
7007	3000 NET 5% N001 White/White	BSDF File	31		Alkenz-Sunshadow 3000 NET 5 N001 White-White-SE03.xml	0.8	0.3	0.831	0.831	0.0877	0.0699	0.197	0.197	0.780	0.780	0.249	0.25	0.68	0.68
7008	4000 NET 5% N001 White/White	BSDF File	31		Alkenz-Sunshadow 4000 NET 5 N001 White-White-SE04.xml	0.8	0.3	0.843	0.843	0.074	0.0655	0.161	0.161	0.776	0.776	0.211	0.21	0.688	0.688
7009	3000 HT 5% HT01 White/White	BSDF File	31		Alkenz-Sunshadow 3000 HT 5 HT01 White-White-SE05.xml	0.8	0.3	0.835	0.835	0.0811	0.0579	0.204	0.204	0.761	0.761	0.254	0.25	0.671	0.671
7010	3000 HT 5% HT03 White/Light Gray	BSDF File	31		Alkenz-Sunshadow 3000 HT 5 HT03 White-Light Gray-SE06rev.xml	0.8	0.3	0.864	0.808	0.0864	0.0613	0.154	0.159	0.641	0.467	0.209	0.21	0.575	0.451
7011	3000 HT 5% HT09 White/Charcoal	BSDF File	31		Alkenz-Sunshadow 3000 HT 5 HT09 White-Charcoal-SE07rev.xml	0.8	0.3	0.86	0.863	0.0574	0.0584	0.078	0.085	0.511	0.153	0.084	0.09	0.427	0.126
7012	3000 NET 5% N901 Beige/Sable	BSDF File	31		Alkenz-Sunshadow 3000 NET 5 N901 Beige-Sable-SE08rev.xml	0.8	0.3	0.845	0.845	0.0741	0.0577	0.126	0.126	0.451	0.451	0.199	0.2	0.454	0.454
7013	4000 NET 5% N901 Beige/Sable	BSDF File	31		Alkenz-Sunshadow 4000 NET 5 N901 Beige-Sable-SE09.xml	0.8	0.3	0.834	0.834	0.081	0.062	0.107	0.107	0.446	0.446	0.169	0.17	0.448	0.448
7014	3000 CA 3% CA01 White/Floral White	BSDF File	31		Alkenz-Sunshadow 3000 CA 3 CA01 White-Floral White-SE10.xml	0.8	0.3	0.851	0.851	0.0663	0.0471	0.217	0.217	0.768	0.768	0.265	0.26	0.677	0.677
7015	3000 NET 1% N001 White/White	BSDF File	31		Alkenz-Sunshadow 3000 NET 1 N001 White-White-SE11.xml	0.8	0.3	0.895	0.895	0.0333	0.0016	0.124	0.124	0.845	0.845	0.175	0.17	0.740	0.740
7016	3000 NET 3% N001 White/White	BSDF File	31		Alkenz-Sunshadow 3000 NET 3 N001 White-White-SE12.xml	0.8	0.3	0.839	0.839	0.0813	0.0375	0.156	0.156	0.813	0.813	0.208	0.21	0.711	0.711
7017	3000 NET 5% N001 White/White	BSDF File	31		Alkenz-Sunshadow 3000 NET 5 N001 White-White-SE13.xml	0.8	0.3	0.864	0.864	0.0668	0.0562	0.179	0.179	0.789	0.789	0.230	0.23	0.69	0.69
7018	3000 NET 10% N001 White/White	BSDF File	31		Alkenz-Sunshadow 3000 NET 10 N001 White-White-SE14.xml	0.8	0.3	0.825	0.825	0.1111	0.0896	0.218	0.218	0.759	0.759	0.268	0.27	0.661	0.661

**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
7019	3000 HT 3% HT01 White/White	BSDF File	31		Alkenz-Sunshadow 3000 HT 3 HT01 White-White-SE15.xml	0.8	0.3	0.93	0.93	0.0001	0.0397	0.175	0.175	0.766	0.766	0.224	0.22	0.677	0.677
7020	3000 HT 5% HT01 White/White	BSDF File	31		Alkenz-Sunshadow 3000 HT 5 HT01 White-White-SE16.xml	0.8	0.3	0.880	0.880	0.0581	0.0451	0.19	0.19	0.769	0.769	0.245	0.25	0.673	0.673
7021	VIEW R 15% R103 White/Gray	BSDF File	31		Alkenz-Sunshadow VIEW R 15 R103 White-Gray-SE17.xml	0.8	0.3	0.748	0.748	0.1995	0.1729	0.232	0.232	0.511	0.511	0.262	0.26	0.455	0.455
7022	4700 P Q 1% P012 White/Beige/Beige	BSDF File	31		Alkenz-Sunshadow 4700 P Q 1 P012 White-Beige-Beige-SE18.xml	0.8	0.3	0.917	0.917	0.0001	0.0005	0.102	0.102	0.691	0.691	0.16	0.16	0.623	0.623
7023	4700 P Q 1% Q001 White/Cream/Alabaster Beige	BSDF File	31		Alkenz-Sunshadow 4700 P Q 1 Q001 White-Cream-Alabaster Beige-SE19rev.xml	0.8	0.3	0.813	0.813	0.0931	0.0005	0.124	0.131	0.769	0.729	0.171	0.18	0.681	0.657
7024	4000 NET 3% N001 White/White	BSDF File	31		Alkenz-Sunshadow 4000 NET 3 N001 White-White-SE20.xml	0.8	0.3	0.833	0.833	0.0655	0.0576	0.151	0.151	0.78	0.78	0.199	0.2	0.693	0.693
7025	Sunshadow - 3000 CA 3 CA09 Charcoal/Charcoal	BSDF File	31		SE56.xml	0.8	0.12	0.849	0.849	0.0743	0.0507	0.054	0.054	0.043	0.043	0.055	0.05	0.042	0.042
7026	Sunshadow - 3000 NET 1 N901 Charcoal/Charcoal	BSDF File	31		SE57.xml	0.8	0.12	0.866	0.866	0.0577	7E-05	1E-04	1E-04	0.045	0.045	0.0001	0.0001	0.044	0.044
7027	Sunshadow - 3000 NET 10 N901 Charcoal/Charcoal	BSDF File	31		SE58.xml	0.8	0.12	0.847	0.847	0.0817	0.0954	0.100	0.100	0.043	0.043	0.101	0.10	0.042	0.042
7028	Sunshadow - 3000 HT 5 HT09 White/Charcoal	BSDF File	31		SE59.xml	0.8	0.12	0.829	0.830	0.0909	0.0737	0.113	0.1	0.162	0.501	0.115	0.10	0.155	0.481
7029	Sunshadow - VIEW R 15 R900 Charcoal/Charcoal	BSDF File	31		SE60.xml	0.8	0.12	0.734	0.734	0.1912	0.1508	0.156	0.156	0.036	0.036	0.156	0.16	0.036	0.036

**Blinds by Peter Meyer**

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
53001	Urban Weave High Rise	BSDF File	29		Urban Weave High Rise.xml	0.5	0.2	0.754	0.754	0.085	0.0118	0.04	0.04	0.228	0.228	0.110	0.11	0.385	0.385
53002	Urban Weave Soho	BSDF File	29		Urban Weave Soho.xml	0.5	0.2	0.755	0.755	0.104	0.0328	0.267	0.267	0.564	0.564	0.305	0.30	0.586	0.586

**Cardinal Glass Industries**

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
54500	6.9 i89 SG_WHT50	Direct-Diffuse	35	#		6.9	0.43	0.84	0.84	0	0	0.552	0.546	0.263	0.254	0.433	0.44	0.176	0.204
54501	6.9 SG_WHT50	Direct-Diffuse	35	#		6.9	0.43	0.84	0.847	0	0	0.587	0.587	0.283	0.283	0.53	0.53	0.176	0.176
54502	6.9 SG_WHT65	Direct-Diffuse	35	#		6.9	0.43	0.84	0.84	0	0	0.664	0.664	0.231	0.231	0.586	0.59	0.147	0.147
54503	6.9 SG_WHT80	Direct-Diffuse	35	#		6.9	0.43	0.84	0.84	0	0	0.752	0.752	0.158	0.158	0.654	0.65	0.108	0.108
54504	7.6 SG_WHT50	Direct-Diffuse	35	#		7.6	0.48	0.84	0.84	0	0	0.581	0.581	0.282	0.282	0.512	0.51	0.174	0.174
54505	8.6 i89 SG_WHT50	Direct-Diffuse	35	#		8.6	0.47	0.84	0.84	0	0	0.554	0.551	0.266	0.264	0.43	0.44	0.17	0.201
54506	8.6 LI SG_WHT50	Direct-Diffuse	35	#		8.6	0.47	0.84	0.84	0	0	0.608	0.608	0.306	0.306	0.595	0.6	0.215	0.215
54507	8.6 LI SG_WHT65	Direct-Diffuse	35	#		8.6	0.47	0.84	0.84	0	0	0.688	0.688	0.253	0.253	0.657	0.66	0.18	0.18
54508	8.6 LI SG_WHT80	Direct-Diffuse	35	#		8.6	0.47	0.84	0.84	0	0	0.795	0.795	0.162	0.162	0.737	0.74	0.122	0.122

**Cardinal Glass Industries**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
54509	8.6 SG_WHT50	Direct-Diffuse	35	#		8.6	0.47	0.84	0.84	0	0	0.574	0.574	0.276	0.276	0.5	0.5	0.166	0.166
54510	8.6 SG_WHT65	Direct-Diffuse	35	#		8.6	0.47	0.84	0.84	0	0	0.65	0.65	0.224	0.224	0.559	0.56	0.137	0.137
54511	8.6 SG_WHT80	Direct-Diffuse	35	#		8.6	0.47	0.84	0.84	0	0	0.749	0.749	0.152	0.152	0.631	0.63	0.102	0.102
54512	10.1 SG_WHT50	Direct-Diffuse	35	#		10	0.54	0.84	0.84	0	0	0.564	0.564	0.27	0.27	0.474	0.47	0.158	0.158
54513	11.7 SG_WHT50	Direct-Diffuse	35	#		12	0.58	0.84	0.84	0	0	0.55	0.55	0.262	0.262	0.451	0.45	0.151	0.151
54514	13.6 I89 SG_WHT50	Direct-Diffuse	35	#		14	0.63	0.84	0.84	0	0	0.522	0.518	0.237	0.23	0.364	0.37	0.141	0.179
54515	13.6 LI SG_WHT50	Direct-Diffuse	35	#		14	0.7	0.84	0.84	0	0	0.602	0.602	0.282	0.282	0.586	0.59	0.199	0.199
54516	13.6 LI SG_WHT65	Direct-Diffuse	35	#		14	0.7	0.84	0.84	0	0	0.678	0.678	0.229	0.229	0.643	0.64	0.163	0.163
54517	13.6 LI SG_WHT80	Direct-Diffuse	35	#		14	0.7	0.84	0.84	0	0	0.765	0.765	0.164	0.164	0.706	0.71	0.125	0.125
54518	13.6 SG_WHT50	Direct-Diffuse	35	#		14	0.63	0.84	0.84	0	0	0.536	0.536	0.252	0.252	0.42	0.42	0.14	0.14
54519	13.6 SG_WHT65	Direct-Diffuse	35	#		14	0.63	0.84	0.84	0	0	0.617	0.617	0.2	0.2	0.479	0.48	0.116	0.116
54520	13.6 SG_WHT80	Direct-Diffuse	35	#		14	0.63	0.84	0.84	0	0	0.71	0.71	0.139	0.139	0.542	0.54	0.088	0.088

**Cardinal Glass Industries**

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
54521	13.8 E366 SG_WHT50	Direct-Diffuse	35	#		14	0.61	0.84	0.84	0	0	0.356	0.349	0.186	0.203	0.139	0.13	0.388	0.26

**CHANGSHU HIGH-TECH ENERG**

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
27500	White miniblind, Open	Venetian	12																
27501	White miniblind, Closed	Venetian	12																
27502	White miniblind, 45	Venetian	12																
27503	Tan miniblind, Open	Venetian	12																
27504	Tan miniblind, Closed	Venetian	12																
27505	Tan miniblind, 45	Venetian	12																

**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	0.15	0.894	0.894	0.0002	7E-05	0.03	0.03	3.186	3.186	0.09	0.09	0.644	0.644
9001	Soltis 86, 2002 - Sand	BSDF File	10	@	2011-SA40.XML	1	0.15	0.716	0.716	0.2078	0.1345	0.208	0.208	0.463	0.463	0.255	0.25	0.476	0.476
9002	Soltis 92, 2002 - Sand	BSDF File	10	@	2011-SA39.XML	1	0.15	0.801	0.801	0.1147	0.0569	0.130	0.130	0.536	0.536	0.185	0.19	0.543	0.543
9003	Soltis 93, 3002 - Sand	BSDF File	10	@	2011-SA38.XML	1	0.15	0.837	0.837	0.0739	0.0355	0.1	0.1	0.546	0.546	0.157	0.16	0.561	0.561

**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
9004	Soltis B92N, 1043 - Bronze	BSDF File	10	@	2011-SA37.XML	1	0.15	0.828	0.828	0.0001	0	2E-05	2E-05	0.293	0.293	0	0	0.132	0.132

**GALE Pacific**

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
43700	95% Coolaroo Standard tape/tape	BSDF File	36	@	Colaroo_95_Standard.xml	1.2	0.2	0.456	0.488	0.385	0	0.211	0.217	0.351	0.339	0.333	0.34	0.387	0.384
43701	95% Coolaroo HeatShield tape/tape	BSDF File	36	@	Colaroo_95_HeatShield.xml	1.2	0.2	0.498	0.539	0.371	0	0.217	0.22	0.343	0.323	0.301	0.30	0.312	0.296
43702	90% Coolaroo Standard tape/tape	BSDF File	36	@	Colaroo_90_Standard.xml	1.2	0.2	0.44	0.441	0.445	0	0.279	0.27	0.338	0.323	0.369	0.36	0.3	0.291
43703	90% Coolaroo HeatShield tape/tape	BSDF File	36	@	Colaroo_90_HeatShield.xml	1.2	0.2	0.462	0.444	0.432	0	0.227	0.238	0.349	0.324	0.351	0.37	0.377	0.362
43704	Joey 240gsm uncoated	BSDF File	36	@	Joey_Uncoated.xml	0.4	0.2	0.676	0.646	0.108	0	0.021	0.021	0.239	0.239	0.115	0.12	0.378	0.378
43705	Interior woven Joey HS 100% blackout	BSDF File	36	@	Interior_WovenJoey_100.xml	0.7	0.2	0.896	0.82	0.033	0	0	0	0.034	0.046	0	0	0.039	0.047
43706	Interior 95% knitted mono/mono	BSDF File	36	@	Interior_95_knitted_mono.xml	1.2	0.2	0.75	0.694	0.202	0	0.005	0.005	0.039	0.039	0.059	0.06	0.167	0.167
43707	Interior 95% woven mono/mono	BSDF File	36	@	Interior_95_Woven_mono.xml	0.4	0.2	0.795	0.757	0.146	0	0.06	0.067	0.035	0.036	0.061	0.07	0.052	0.053
43708	Coolaroo signature 90% Dartmoor HeatShield	BSDF File	36	@	Colaroo_Dartmoor_90_HeatSheild.xml	1.2	0.2	0.614	0.624	0.294	0	0.133	0.13	0.063	0.064	0.195	0.19	0.21	0.213

**GALE Pacific**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
43709	Joey Stiffened Black 1% (HeatShield)	BSDF File	36	@	Joey_Stiffened_Black_1_HeatShield.xml	0.3	0.2	0.843	0.873	0.049	0	0	0	0.028	0.046	0.001	0.001	0.03	0.045
43710	95% woven mono/mono HDPE (HeatShield)	BSDF File	36	@	Woven_Mono_95_HDPE_HeatShield95.xml	0.3	0.2	0.741	0.746	0.181	0	0.004	0.004	0.042	0.042	0.054	0.05	0.171	0.171

**Generic**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
1	Venetian A0	Venetian	1																
2	Venetian A45	Venetian	1																
3	Venetian A90	Venetian	1																
4	Venetian B0	Venetian	1																
5	Venetian B45	Venetian	1																
6	Venetian B90	Venetian	1																
7	Venetian C0	Venetian	1																
8	Venetian C45	Venetian	1																
9	Venetian C80	Venetian	1																
10	Venetian C90	Venetian	1																
11	Venetian D0	Venetian	1																

**Generic**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>	
12	Venetian D45	Venetian	1																	
13	Venetian D90	Venetian	1																	
15	Diffusing Shade	Diffusing Shade	1																	
16	WINDAT Shade with Spectral Data	Venetian	1																	
19	Woven shade. Gray. 25% open area	Woven Shade	1																	
20	Off White Blind 24 mm slat at 45 degrees	Venetian	1																	
21	Dark Blue Blind 24 mm slat at 45 degrees	Venetian	1																	
23	Woven shade. Gray. 3% open area	Woven Shade	1																	
24	Woven shade. Gray. 10% open area	Woven Shade	1																	
28	Perforated screen. 8.7% open area	Perforated Screen	1																	
29	1" horizontal VB (white) - 45 deg	Venetian	1																	
30	3" horizontal VB (white) - 45 deg	Venetian	1																	
31	3" vertical VB (white) - 0 deg (open)	Vert Louver	1																	

**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	
32	0.4" inbetween VB (white) - 45 deg	Venetian	1																	
50	Cellular Shade. Single cell, light color	Cellular Shade	10		ID50_CS.thmx	0.02		0.806	0.806	0.0083	0	0.225	0.225	0.659	0.66	0.218	0.22	0.632	0.632	
51	Cellular Shade. Stacked double cell, light color	Cellular Shade	10		ID51_CS.thmx	0.02		0.79	0.79	0.0003	0	0.06	0.06	0.68	0.679	0.057	0.06	0.653	0.651	
52	Cellular Shade. cell-in-cell, light color	Cellular Shade	10		ID52_CS.thmx	0.04		0.876	0.875	0.0003	0.0086	0.038	0.037	0.547	0.548	0.038	0.04	0.506	0.508	
53	Cellular Shade. Single cell, blackout, low-e	Cellular Shade	10		ID53_CS.thmx	0.04		0.905	0.905	1E-05	0	0	0	0.568	0.567	0	0	0.554	0.553	
54	Cellular Shade. Single cell, light color, sheer	Cellular Shade	10		ID54_CS.thmx	0.03		0.668	0.668	0.2031	0.59	0.558	0.557	0.392	0.392	0.561	0.56	0.383	0.383	
55	ILC2019_1 Diffuse Interlayer		27																	
56	ILC2019_2 Low-e on frits 12mm substrate		27																	

**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
10003	Sunbrella awning, Black 4608	BSDF File	10	@	2011-SA45.XML	1	0.15	0.835	0.835	0.0565	0	2E-05	2E-05	0.022	0.022	9E-06	9E-06	0.021	0.021
10009	Sunbrella awning, Linen 4633	BSDF File	10	@	2011-SA51.XML	1	0.15	0.781	0.781	0.0311	0.0002	0.033	0.033	0.371	0.371	0.125	0.12	0.52	0.52
10010	Sunbrella awning, Cadet Gray 4630	BSDF File	10	@	2011-SA52.XML	1	0.15	0.761	0.761	0.0437	6E-05	0.011	0.011	0.277	0.277	0.118	0.12	0.479	0.479

**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
10011	Sunbrella awning, Green 4637	BSDF File	10	@	2011-SA53.XML	1	0.15	0.837	0.837	0.0002	7E-06	7E-06	7E-06	0.042	0.042	0.0003	0.0003	0.074	0.074
10112	FF 4672-0000	BSDF File	17	@	FF 4672-0000.xml	0.6	0.15	0.722	0.722	0.053	2E-05	0.007	0.007	0.238	0.238	0.038	0.04	0.318	0.318
10136	FF 4859-0000	BSDF File	17	@	FF 4859-0000.xml	0.6	0.15	0.733	0.733	0.037	6E-05	0.029	0.029	0.285	0.285	0.069	0.07	0.363	0.363
10138	FF 4861-0000	BSDF File	17	@	FF 4861-0000.xml	0.6	0.15	0.739	0.739	0.032	9E-06	0.006	0.006	0.183	0.183	0.026	0.03	0.239	0.239

**Goodearl and Bailey**

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
3500	Dickson Orchestra #0681 Dune	BSDF File	10		Goodearl and Bailey-Dickson Orchestra 0681 Dune-oz03.xml	1	0.14	0.755	0.755	0.0436	0.0002	0.069	0.069	0.398	0.398	0.126	0.13	0.474	0.474

**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	0.14	0.53	0.884	0.0545	0.0248	0.038	0.038	0.354	0.354	0.113	0.10	0.413	0.283
7501	Platinum Iron	BSDF File	10		Helioscreen-Platinum Iron-oz01.xml	1	0.14	0.605	0.923	0.0137	0.0226	0.110	0.106	0.431	0.431	0.14	0.13	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
14050	ECOVIEV Plus Midnight Storm	BSDF File	10	@	Hunter Douglas-ECOVIEV Plus Midnight Storm-oz27.xml	1	0.14	0.86	0.86	0.0666	0	0.076	0.076	0.092	0.092	0.08	0.08	0.099	0.099

**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
14051	NOVASCREEEN Granite	BSDF File	10	@	Hunter Douglas-NOVASCREEEN Granite-oz26.xml	1	0.14	0.879	0.849	0.0699	0.0525	0.078	0.077	0.367	0.367	0.080	0.08	0.323	0.131
14052	SEATEX Beige	BSDF File	22	@	46012 SEATEX Beige.xml	0.5	0.12	0.823	0.823	0.076	0.2589	0.259	0.259	0.508	0.508	0.315	0.31	0.547	0.547
14053	SEATEX Pristine	BSDF File	22	@	46013 SEATEX Pristine.xml	0.5	0.12	0.838	0.838	0.108	0.3327	0.333	0.333	0.613	0.613	0.344	0.34	0.595	0.595
14054	SEATEX Titanium	BSDF File	22	@	46014 SEATEX Titanium.xml	0.5	0.12	0.848	0.848	0.146	0.1963	0.196	0.196	0.429	0.429	0.294	0.29	0.529	0.529
14055	SEATEX Anthracite	BSDF File	22	@	46015 SEATEX Anthracite.xml	0.5	0.12	0.834	0.834	0.11	0.1388	0.139	0.139	0.336	0.336	0.268	0.27	0.495	0.495
14056	SEATEX Midnight	BSDF File	22	@	46016 SEATEX Midnight.xml	0.5	0.12	0.835	0.835	0.07	0.0593	0.059	0.059	0.082	0.082	0.219	0.22	0.354	0.354
14057	Urban Loft Organic Cotton	BSDF File	25	@	Urban Loft Organic Cotton.xml	0.4	0.12	0.832	0.815	0.075	0.0042	0.441	0.438	0.550	0.538	0.439	0.44	0.521	0.508
14058	Urban Loft French Vanilla	BSDF File	25	@	Urban Loft French Vanilla.xml	0.4	0.12	0.81	0.8	0.092	0.0036	0.416	0.425	0.531	0.538	0.419	0.43	0.509	0.515
14059	Urban Loft Twig	BSDF File	25	@	Urban Loft Twig.xml	0.4	0.12	0.824	0.814	0.079	0.0029	0.218	0.214	0.309	0.319	0.25	0.25	0.318	0.326
14060	Urban Loft River Stone	BSDF File	25	@	Urban Loft River Stone.xml	0.4	0.12	0.813	0.821	0.08	0.0037	0.318	0.318	0.401	0.413	0.342	0.34	0.399	0.412
14061	Urban Loft Lead	BSDF File	25	@	Urban Loft Lead.xml	0.4	0.12	0.802	0.844	0.072	0.0027	0.176	0.177	0.274	0.290	0.209	0.21	0.289	0.302
14062	Urban Loft Ash	BSDF File	25	@	Urban Loft Ash.xml	0.4	0.12	0.816	0.853	0.065	0.0001	0.0002	0.0002	0.046	0.046	0.001	0.0006	0.049	0.047

**Hunter Douglas**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
14063	Abilene Lottie Gray	BSDF File	25	@	Abilene Lottie Gray.xml	0.7	0.12	0.841	0.791	0.062	0.0069	0.234	0.232	0.404	0.436	0.33	0.33	0.494	0.493
14064	Abilene Perla Bianca	BSDF File	25	@	Abilene Perla Bianca.xml	0.7	0.12	0.794	0.804	0.087	0.0069	0.405	0.4	0.583	0.584	0.41	0.41	0.543	0.542
14065	Abilene Warm Natural	BSDF File	25	@	Abilene Warm Natural.xml	0.7	0.12	0.782	0.812	0.086	0.0103	0.36	0.356	0.524	0.536	0.388	0.39	0.514	0.529
14066	Abilene Grigio	BSDF File	25	@	Abilene Grigio.xml	0.7	0.12	0.804	0.794	0.084	0.0071	0.289	0.285	0.407	0.460	0.361	0.36	0.485	0.506
14067	Abilene Dovetail	BSDF File	25	@	Abilene Dovetail.xml	0.7	0.12	0.782	0.812	0.084	0.0029	0.253	0.261	0.448	0.402	0.342	0.35	0.505	0.488
14068	Newby White Water	BSDF File	25	@	Newby White Water.xml	0.6	0.12	0.789	0.779	0.08	0.0066	0.308	0.305	0.672	0.662	0.309	0.30	0.644	0.634
14069	Newby Sandbar	BSDF File	25	@	Newby Sandbar.xml	0.6	0.12	0.78	0.788	0.078	0.0054	0.158	0.16	0.442	0.442	0.254	0.25	0.545	0.548
14070	Newby Rapids	BSDF File	25	@	Newby Rapids.xml	0.6	0.12	0.785	0.792	0.072	0.0057	0.065	0.068	0.283	0.282	0.216	0.22	0.504	0.501
14071	Sewickley Blizzard	BSDF File	25	@	Sewickley Blizzard.xml	0.6	0.12	0.878	0.882	0	0	0	0	0.837	0.887	0	0	0.785	0.775
14072	Sewickley Flurry	BSDF File	25	@	Sewickley Flurry.xml	0.6	0.12	0.871	0.871	0	0	0	0	0.829	0.913	0	0	0.805	0.809
14073	Sewickley Sleet	BSDF File	25	@	Sewickley Sleet.xml	0.6	0.12	0.875	0.871	0	0	0	0	0.359	0.921	0	0	0.606	0.821
14074	Amato Alpine Snow	BSDF File	25	@	Amato Alpine Snow.xml	0.6	0.12	0.887	0.894	0	0	0	0	0.832	0.858	0	0	0.749	0.726

**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
14075	Amato Concrete	BSDF File	25	@	Amato Concrete.xml	0.6	0.12	0.888	0.887	0	0	0	0	0.564	0.812	0	0	0.553	0.672
14076	Amato Silk	BSDF File	25	@	Amato Silk.xml	0.6	0.12	0.886	0.888	0	0	0	0	0.719	0.858	0	0	0.671	0.736
14077	Amato Bark	BSDF File	25	@	Amato Bark.xml	0.6	0.12	0.884	0.894	0	0	0	0	0.258	0.841	0	0	0.27	0.707
14078	Amato Sterling	BSDF File	25	@	Amato Sterling.xml	0.6	0.12	0.886	0.884	0	0	0	0	0.387	0.846	0	0	0.411	0.715

**Hunter Douglas Australia**

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
14500	Avila-Black	BSDF File	23		Avila-Black.xml	0.5	0.12	0.896	0.883	0	0	0	0	0.742	0.034	0	0	0.667	0.036
14500	Avila-Black	BSDF File	23		Avila-Black.xml	0.5	0.12	0.883	0.896	0	0	0	0	0.034	0.742	0	0	0.036	0.667
14501	Avila-White	BSDF File	23		Avila-White.xml	0.5	0.12	0.879	0.861	0	0	0	0	0.739	0.908	0	0	0.664	0.814
14502	Baltic-Froth BO	BSDF File	20		Baltic-Froth BO.xml	0.6	0.12	0.832	0.837	0	0	0	0	0.839	0.839	0	0	0.793	0.793
14503	Elements-Pearl BO	BSDF File	20		Elements-Pearl BO.xml	0.5	0.12	0.854	0.862	0	0	0	0	0.785	0.785	0	0	0.734	0.734
14504	Everview Plus 1-Black	BSDF File	23		External Sunscreen BW 1-Black.xml	0.6	0.12	0.815	0.815	0.045	0.013	0.015	0.015	0.029	0.029	0.015	0.01	0.027	0.027

Hunter Douglas Australia

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
14505	Everview Plus 1-Yalumba	BSDF File	23		External Sunscreen BW 1-Yalumba-Cream.xml	0.8	0.12	0.885	0.885	0.064	0.0134	0.08	0.08	0.566	0.566	0.135	0.14	0.536	0.536
14506	Everview Plus 5-Black	BSDF File	23		External Sunscreen BW 5-Black.xml	0.7	0.12	0.849	0.849	0.024	0.0813	0.088	0.088	0.048	0.048	0.1	0.1	0.061	0.061
14507	Everview Plus 5-Yalumba	BSDF File	23		External Sunscreen BW 5-Yalumba-Cream.xml	0.7	0.12	0.864	0.864	0.061	0.076	0.169	0.169	0.53	0.53	0.225	0.23	0.496	0.496
14508	Stance Fibreglass 1-Black	BSDF File	23		External Sunscreen Twill 1-Black.xml	0.6	0.12	0.872	0.872	0.093	0.0314	0.036	0.036	0.058	0.058	0.036	0.04	0.056	0.056
14509	Stance Fibreglass 3-Black	BSDF File	23		External Sunscreen Twill 3-Black.xml	0.8	0.12	0.836	0.836	0.015	0.0458	0.051	0.051	0.053	0.053	0.051	0.05	0.052	0.052
14510	Stance Fibreglass 3-Pearl	BSDF File	23		External Sunscreen Twill 3-Pearl.xml	0.8	0.12	0.848	0.848	0.071	0.0494	0.11	0.11	0.391	0.391	0.13	0.13	0.376	0.376
14511	Optima Screen-Charcoal	BSDF File	20		Optima Screen-Charcoal.xml	0.6	0.12	0.788	0.788	0.103	0.0591	0.063	0.063	0.029	0.029	0.063	0.06	0.027	0.027
14512	Optima Screen-White	BSDF File	20		Optima Screen-White.xml	0.6	0.12	0.765	0.765	0.123	0.0602	0.24	0.24	0.722	0.722	0.292	0.29	0.624	0.624
14513	Optima Screen-WhiteGrey	BSDF File	20		Optima Screen-WhiteGrey.xml	0.6	0.12	0.786	0.786	0.099	0.0693	0.127	0.127	0.421	0.421	0.176	0.18	0.372	0.372
14514	Canvas-Domino	BSDF File	23		System 2000-Domino.xml	0.3	0.12	0.853	0.869	0	0	0	0	0.446	0.25	0	0	0.411	0.228
14515	Canvas-Mercury	BSDF File	23		System 2000-Mercury.xml	0.3	0.12	0.852	0.872	0	0	0	0	0.198	0.084	0	0	0.188	0.077
14516	Canvas-Pebble	BSDF File	23		System 2000-Pebble.xml	0.3	0.12	0.864	0.863	0	0	0	0	0.3	0.249	0	0	0.283	0.228

**Hunter Douglas Australia**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
14517	Canvas-Silver Pearl	BSDF File	23		System 2000-Silver Pearl.xml	0.3	0.12	0.856	0.856	0	0	0	0	0.365	0.373	0	0	0.325	0.331
14518	Zen-Bounty	BSDF File	20		Zen-Bounty.xml	0.3	0.12	0.858	0.858	0	0	0	0	0.873	0.873	0	0	0.739	0.739
14519	Zen-Stonehenge	BSDF File	20		Zen-Stonehenge.xml	0.3	0.12	0.863	0.863	0	0	0	0	0.314	0.314	0	0	0.263	0.263
14520	Zen-Yen	BSDF File	20		Zen-Yen.xml	0.3	0.12	0.884	0.884	0	0	0	0	0.039	0.039	0	0	0.039	0.039
14521	Baltic-Froth LF	BSDF File	21		Baltic-Froth LF.xml	0.6	0.12	0.713	0.713	0.117	0	0.446	0.446	0.527	0.527	0.447	0.45	0.500	0.500
14522	Elements-Pearl LF	BSDF File	21		Elements-Pearl LF.xml	0.6	0.12	0.781	0.781	0.119	0	0.327	0.327	0.627	0.627	0.357	0.36	0.564	0.564

**Inflector Window Insulators**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
12000	In'Flector Radiant Barrier Window Insulator	BSDF File	12		SA99_Inflector-CGDB12000.xml	0.001	0.15	0.71	0.59	0.17	0.17	0.253	0.255	0.079	0.079	0.254	0.25	0.078	0.512
12001	Solar Selective Window Insulator	BSDF File	30		2011-SB13.XML	1	0.15	0.718	0.718	0.2027	0.2027	0.172	0.172	39.71	39.71	0.254	0.25	0.061	0.061
12002	In'Flector Radiant Barrier Window Insulator (flipped)	BSDF File	12		SA99Flip_LowEOut_Inflector-CGDB12002.xml	0.001	0.15	0.59	0.71	0.17	0.17	0.255	0.253	0.508	0.508	0.253	0.25	0.512	0.078

**Intigral**

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
23997	Alabaster Venetian Blind -45 (Intigral):Alabaster:-45:12.5	Venetian	23	#															
23998	White Satin Venetian Blind -45 (Intigral):White Statin:-45:12.5	Venetian	23	#															
23999	Tan Venetian Blind -45 (Intigral):Tan:-45:12.5	Venetian	23	#															
24000	Alabaster Venetian Blind Open (Intigral):Alabaster:0:12.5	Venetian	23	#															
24001	Alabaster Venetian Blind Closed (Intigral):Alabaster:+70:12.5	Venetian	23	#															
24002	Alabaster Venetian Blind +45 (Intigral):Alabaster:+45:12.5	Venetian	23	#															
24003	White Satin Venetian Blind Open (Intigral):White Statin:0:12.5	Venetian	23	#															
24004	White Satin Venetian Blind Closed (Intigral):White Statin:+70:12.5	Venetian	23	#															

**Intigral**

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
24005	White Satin Venetian Blind +45 (Intigral):White Statin:+45:12.5	Venetian	23	#															
24006	Tan Venetian Blind Open (Intigral):Tan:0:12.5	Venetian	23	#															
24007	Tan Venetian Blind Closed (Intigral):Tan:+70:12.5	Venetian	23	#															
24008	Tan Venetian Blind +45 (Intigral):Tan:+45:12.5	Venetian	23	#															
24009	ScreenLine SL19/20/22 Venetian Open S102 White	Venetian	11	#															
24010	ScreenLine SL19/20/22 Venetian Closed S102 White	Venetian	11	#															
24011	ScreenLine SL19/20/22 Venetian 45° S102 White	Venetian	11	#															
24012	ScreenLine SL19/20/22 Venetian Open S106 Yellow	Venetian	11	#															
24013	ScreenLine SL19/20/22 Venetian Closed S106 Yellow	Venetian	11	#															

**Intigral**

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
24014	ScreenLine SL19/20/22 Venetian 45° S106 Yellow	Venetian	11	#															
24015	ScreenLine SL19/20/22 Venetian Open S125 Dark Cream	Venetian	11	#															
24016	ScreenLine SL19/20/22 Venetian Closed S125 Dark Cream	Venetian	11	#															
24017	ScreenLine SL19/20/22 Venetian 45° S125 Dark Cream	Venetian	11	#															
24018	ScreenLine SL19/20/22 Venetian Open S130 Green	Venetian	11	#															
24019	ScreenLine SL19/20/22 Venetian Closed S130 Green	Venetian	11	#															
24020	ScreenLine SL19/20/22 Venetian 45° S130 Green	Venetian	11	#															
24021	ScreenLine SL19/20/22 Venetian Open S142 Light Blue	Venetian	11	#															
24022	ScreenLine SL19/20/22 Venetian Closed S142 Light Blue	Venetian	11	#															

**Intigral**

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
24023	ScreenLine SL19/20/22 Venetian 45° S142 Light Blue	Venetian	11	#															
24024	ScreenLine SL19/20/22 Venetian Open S149 Cream	Venetian	11	#															
24025	ScreenLine SL19/20/22 Venetian Closed S149 Cream	Venetian	11	#															
24026	ScreenLine SL19/20/22 Venetian 45° S149 Cream	Venetian	11	#															
24027	ScreenLine SL19/20/22 Venetian Open S155 Matt Grey	Venetian	11	#															
24028	ScreenLine SL19/20/22 Venetian Closed S155 Matt Grey	Venetian	11	#															
24029	ScreenLine SL19/20/22 Venetian 45° S155 Matt Grey	Venetian	11	#															
24030	ScreenLine SL19/20/22 Venetian Open S156 Glittery Silver	Venetian	11	#															
24031	ScreenLine SL19/20/22 Venetian Closed S156 Glittery Silver	Venetian	11	#															

**Intigral**

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	
24032	ScreenLine SL19/20/22 Venetian 45° S156 Glittery Silver	Venetian	11	#																
24033	ScreenLine SL19/20/22 Venetian Open S157 Satin Silver	Venetian	11	#																
24034	ScreenLine SL19/20/22 Venetian Closed S157 Satin Silver	Venetian	11	#																
24035	ScreenLine SL19/20/22 Venetian 45° S157 Satin Silver	Venetian	11	#																
24036	ScreenLine SL27/29/32 Venetian Open S102 White	Venetian	11	#																
24037	ScreenLine SL27/29/32 Venetian Closed S102 White	Venetian	11	#																
24038	ScreenLine SL27/29/32 Venetian 45° S102 White	Venetian	11	#																
24039	Intigral_SL_Vanity_C00 0_White_Pleated_Shade_14mm	Cellular Shade	14	#	Intigral_SL_Vanity_C000_White_Pleated_Shade_14mm.thmx	0.01		0.902	0.902	0.0199	0.032	0.516	0.516	0.462	0.462	0.514	0.51	0.445	0.445	
24040	Intigral_SL_Vanity_C00 0_White_Pleated_Shade_20mm	Cellular Shade	14	#	Intigral_SL_Vanity_C000_White_Pleated_Shade_20mm.thmx	0.01		0.89	0.89	0.0231	0.032	0.528	0.528	0.457	0.457	0.528	0.53	0.440	0.440	

**Intigral**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
24041	Intigral_SL_Vanity_CO1 O_Cream_Pleated_Shade_14mm	Cellular Shade	14	#	Intigral_SL_Vanity_CO10_Cream_Pleated_Shade_14mm.thmx	0.01		0.909	0.909	0.0178	0.026	0.494	0.494	0.474	0.474	0.485	0.48	0.45	0.450
24042	Intigral_SL_Vanity_CO1 O_Cream_Pleated_Shade_20mm	Cellular Shade	14	#	Intigral_SL_Vanity_CO10_Cream_Pleated_Shade_20mm.thmx	0.01		0.898	0.898	0.0208	0.026	0.503	0.503	0.473	0.473	0.497	0.5	0.45	0.449

**Levolor**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
11000	Origami	BSDF File	10	@	2014-SC42.XML	0.8	0.15	0.690	0.690	0.1018	0.0055	0.033	0.033	0.305	0.305	0.102	0.10	0.427	0.427
23000	Accordia Classic LF Toffee	Cellular Shade	10	@	Levolor_19570216.thmx	0.02		0.833	0.845	0.0193	0.035	0.200	0.2	0.506	0.197	0.237	0.24	0.494	0.25
23001	Accordia LF Cream	Cellular Shade	10	@	Levolor_19170202.thmx	0.02		0.792	0.865	0.015	0.0098	0.268	0.269	0.596	0.547	0.265	0.27	0.577	0.54
23002	Accordia Designer Colors LF Snow	Cellular Shade	10	@	Levolor_19470199.thmx	0.02		0.806	0.806	0.0083	0	0.225	0.225	0.659	0.66	0.218	0.22	0.632	0.632
23003	Accordia Designer Colors LF Snow	Cellular Shade	10	@	Levolor_12470199.thmx	0.02		0.79	0.79	0.0003	0	0.06	0.06	0.68	0.679	0.057	0.06	0.653	0.651
23004	Classic RD snow	Cellular Shade	10	@	Levolor_19070199.thmx	0.03		0.848	0.848	1E-05	0	0	0	0.702	0.702	0	0	0.698	0.697
23005	Mosaic RD Snow	Cellular Shade	10	@	Levolor_53970199.thmx	0.03		0.793	0.793	0.0012	0	6E-06	1E-05	0.705	0.705	2E-05	1E-05	0.697	0.697

**Living Shade**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
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**Living Shade**

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
2000	Twilight 279-A10 Light Grey	BSDF File	10		Living Shade-Twilight 279-A10 Light Grey-oz12.xml	1	0.14	0.430	0.818	0.0821	0.0814	0.166	0.170	0.493	0.493	0.164	0.17	0.507	0.378

**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
47000	E Screen 1% Charcoal-Grey	BSDF File	17	@	E Screen 1% Charcoal-Grey.xml	0.5	0.15	0.823	0.823	0.065	0.0156	0.018	0.018	0.090	0.090	0.021	0.02	0.096	0.096
47001	E Screen 1% White-White	BSDF File	17	@	E Screen 1% White-White.xml	0.5	0.15	0.79	0.79	0.083	0.0131	0.132	0.132	0.839	0.839	0.147	0.15	0.748	0.748
47002	E Screen 1% White-Linen	BSDF File	17	@	E Screen 1% White-Linen.xml	0.5	0.15	0.785	0.785	0.083	0.0135	0.119	0.119	0.627	0.627	0.146	0.15	0.567	0.567
47003	E Screen 1% White-Pearl	BSDF File	17	@	E Screen 1% White-Pearl.xml	0.5	0.15	0.8	0.8	0.09	0.0143	0.069	0.069	0.402	0.402	0.089	0.09	0.373	0.373
47004	E Screen 1% Pearl-Linen	BSDF File	17	@	E Screen 1% Pearl-Linen.xml	0.5	0.15	0.769	0.769	0.086	0.01	0.043	0.043	0.348	0.348	0.071	0.07	0.321	0.321
47005	E Screen 1% Pearl-Pearl	BSDF File	17	@	E Screen 1% Pearl-Pearl.xml	0.5	0.15	0.789	0.789	0.101	0.0051	0.020	0.020	0.282	0.282	0.037	0.04	0.284	0.284
47006	E Screen 1% Pearl-Grey	BSDF File	17	@	E Screen 1% Pearl-Grey.xml	0.5	0.15	0.784	0.784	0.076	0.0105	0.027	0.027	0.111	0.111	0.05	0.05	0.109	0.109
47007	E Screen 1% Charcoal-GreyStone	BSDF File	17	@	E Screen 1% Charcoal-GreyStone.xml	0.5	0.15	0.797	0.797	0.083	0.015	0.020	0.020	0.046	0.046	0.023	0.02	0.047	0.047
47008	E Screen 1% Charcoal-Charcoal	BSDF File	17	@	E Screen 1% Charcoal-Charcoal.xml	0.5	0.15	0.795	0.795	0.096	0.0153	0.017	0.017	0.057	0.057	0.017	0.02	0.057	0.057
47009	E Screen 1% Charcoal-Cocoa	BSDF File	17	@	E Screen 1% Charcoal-Cocoa.xml	0.5	0.15	0.75	0.75	0.143	0.0084	0.01	0.01	0.052	0.052	0.011	0.01	0.052	0.052

**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
47010	E Screen 1% Charcoal-Apricot	BSDF File	17	@	E Screen 1% Charcoal-Apricot.xml	0.5	0.15	0.801	0.801	0.086	0.0098	0.015	0.015	0.143	0.143	0.019	0.02	0.140	0.140
47017	E Screen 3% Charcoal-Grey	BSDF File	17	@	E Screen 3% Charcoal-Grey.xml	0.4	0.15	0.772	0.772	0.107	0.0382	0.044	0.044	0.101	0.101	0.049	0.05	0.107	0.107
47018	E Screen 3% White-White	BSDF File	17	@	E Screen 3% White-White.xml	0.4	0.15	0.76	0.76	0.103	0.0433	0.160	0.160	0.812	0.812	0.176	0.18	0.725	0.725
47019	E Screen 3% White-Linen	BSDF File	17	@	E Screen 3% White-Linen.xml	0.4	0.15	0.746	0.746	0.124	0.0424	0.151	0.151	0.678	0.678	0.181	0.18	0.619	0.619
47020	E Screen 3% White-Pearl	BSDF File	17	@	E Screen 3% White-Pearl.xml	0.4	0.15	0.81	0.81	0.079	0.0379	0.081	0.081	0.56	0.56	0.103	0.10	0.503	0.503
47021	E Screen 3% Pearl-Linen	BSDF File	17	@	E Screen 3% Pearl-Linen.xml	0.4	0.15	0.784	0.784	0.101	0.0401	0.087	0.087	0.406	0.406	0.117	0.12	0.373	0.373
47022	E Screen 3% Pearl-Pearl	BSDF File	17	@	E Screen 3% Pearl-Pearl.xml	0.4	0.15	0.768	0.768	0.1	0.0427	0.062	0.062	0.331	0.331	0.081	0.08	0.303	0.303
47023	E Screen 3% Pearl-Grey	BSDF File	17	@	E Screen 3% Pearl-Grey.xml	0.4	0.15	0.774	0.774	0.114	0.0400	0.058	0.058	0.266	0.266	0.083	0.08	0.270	0.270
47024	E Screen 3% Charcoal-GreyStone	BSDF File	17	@	E Screen 3% Charcoal-GreyStone.xml	0.4	0.15	0.822	0.822	0.075	0.0392	0.053	0.053	0.135	0.135	0.059	0.06	0.128	0.128
47025	E Screen 3% Charcoal-Charcoal	BSDF File	17	@	E Screen 3% Charcoal-Charcoal.xml	0.4	0.15	0.78	0.78	0.109	0.0468	0.050	0.050	0.040	0.040	0.051	0.05	0.039	0.039
47026	E Screen 3% Charcoal-Cocoa	BSDF File	17	@	E Screen 3% Charcoal-Cocoa.xml	0.4	0.15	0.791	0.791	0.093	0.0415	0.045	0.045	0.057	0.057	0.046	0.05	0.057	0.057
47027	E Screen 3% Charcoal-Apricot	BSDF File	17	@	E Screen 3% Charcoal-Apricot.xml	0.4	0.15	0.823	0.823	0.059	0.0427	0.056	0.056	0.178	0.178	0.063	0.06	0.174	0.174

**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
47034	E Screen 5% Charcoal-Grey	BSDF File	17	@	E Screen 5% Charcoal-Grey.xml	0.4	0.15	0.744	0.744	0.138	0.0692	0.077	0.077	0.089	0.089	0.082	0.08	0.096	0.096
47035	E Screen 5% White-White	BSDF File	17	@	E Screen 5% White-White.xml	0.4	0.15	0.777	0.777	0.102	0.0734	0.195	0.195	0.775	0.775	0.211	0.21	0.693	0.693
47036	E Screen 5% White-Linen	BSDF File	17	@	E Screen 5% White-Linen.xml	0.4	0.15	0.774	0.774	0.096	0.0615	0.176	0.176	0.678	0.678	0.206	0.21	0.614	0.614
47037	E Screen 5% White-Pearl	BSDF File	17	@	E Screen 5% White-Pearl.xml	0.4	0.15	0.715	0.715	0.132	0.0668	0.131	0.131	0.581	0.581	0.154	0.15	0.524	0.524
47038	E Screen 5% Pearl-Linen	BSDF File	17	@	E Screen 5% Pearl-Linen.xml	0.4	0.15	0.761	0.761	0.125	0.0618	0.106	0.106	0.39	0.39	0.135	0.14	0.358	0.358
47039	E Screen 5% Pearl-Pearl	BSDF File	17	@	E Screen 5% Pearl-Pearl.xml	0.4	0.15	0.729	0.729	0.162	0.0759	0.103	0.103	0.324	0.324	0.125	0.13	0.297	0.297
47040	E Screen 5% Pearl-Grey	BSDF File	17	@	E Screen 5% Pearl-Grey.xml	0.4	0.15	0.749	0.749	0.132	0.07	0.092	0.092	0.26	0.26	0.117	0.12	0.259	0.259
47041	E Screen 5% Charcoal-GreyStone	BSDF File	17	@	E Screen 5% Charcoal-GreyStone.xml	0.4	0.15	0.776	0.776	0.112	0.0688	0.084	0.084	0.118	0.118	0.090	0.09	0.112	0.112
47042	E Screen 5% Charcoal-Charcoal	BSDF File	17	@	E Screen 5% Charcoal-Charcoal.xml	0.4	0.15	0.824	0.824	0.056	0.0626	0.066	0.066	0.043	0.043	0.067	0.07	0.041	0.041
47043	E Screen 5% Charcoal-Cocoa	BSDF File	17	@	E Screen 5% Charcoal-Cocoa.xml	0.4	0.15	0.774	0.774	0.117	0.0619	0.066	0.066	0.052	0.052	0.067	0.07	0.052	0.052
47044	E Screen 5% Charcoal-Apricot	BSDF File	17	@	E Screen 5% Charcoal-Apricot.xml	0.4	0.15	0.767	0.767	0.132	0.0666	0.081	0.081	0.154	0.154	0.087	0.09	0.151	0.151
47051	E Screen 10% Charcoal-Grey	BSDF File	17	@	E Screen 10% Charcoal-Grey.xml	0.5	0.15	0.784	0.784	0.099	0.1111	0.121	0.121	0.08	0.08	0.126	0.13	0.088	0.088

**Mermet**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
47052	E Screen 10% White-White	BSDF File	17	@	E Screen 10% White-White.xml	0.5	0.15	0.692	0.692	0.169	0.1201	0.246	0.246	0.73	0.73	0.26	0.26	0.657	0.657
47053	E Screen 10% White-Linen	BSDF File	17	@	E Screen 10% White-Linen.xml	0.5	0.15	0.755	0.755	0.128	0.1068	0.225	0.225	0.650	0.650	0.249	0.25	0.592	0.592
47054	E Screen 10% White-Pearl	BSDF File	17	@	E Screen 10% White-Pearl.xml	0.5	0.15	0.733	0.733	0.147	0.1172	0.186	0.186	0.553	0.553	0.208	0.21	0.504	0.504
47055	E Screen 10% Pearl-Linen	BSDF File	17	@	E Screen 10% Pearl-Linen.xml	0.5	0.15	0.744	0.744	0.14	0.0979	0.144	0.144	0.368	0.368	0.171	0.17	0.34	0.34
47056	E Screen 10% Pearl-Pearl	BSDF File	17	@	E Screen 10% Pearl-Pearl.xml	0.5	0.15	0.728	0.728	0.154	0.1189	0.149	0.149	0.298	0.298	0.170	0.17	0.281	0.281
47057	E Screen 10% Pearl-Grey	BSDF File	17	@	E Screen 10% Pearl-Grey.xml	0.5	0.15	0.764	0.764	0.11	0.1121	0.140	0.140	0.253	0.253	0.163	0.16	0.252	0.252
47058	E Screen 10% Charcoal-GreyStone	BSDF File	17	@	E Screen 10% Charcoal-GreyStone.xml	0.5	0.15	0.765	0.765	0.123	0.1096	0.129	0.129	0.108	0.108	0.134	0.13	0.105	0.105
47059	E Screen 10% Charcoal-Charcoal	BSDF File	17	@	E Screen 10% Charcoal-Charcoal.xml	0.5	0.15	0.743	0.743	0.144	0.1068	0.113	0.113	0.049	0.049	0.114	0.11	0.048	0.048
47060	E Screen 10% Charcoal-Cocoa	BSDF File	17	@	E Screen 10% Charcoal-Cocoa.xml	0.5	0.15	0.763	0.763	0.151	0.1091	0.115	0.115	0.049	0.049	0.116	0.12	0.048	0.048
47061	E Screen 10% Charcoal-Apricot	BSDF File	17	@	E Screen 10% Charcoal-Apricot.xml	0.5	0.15	0.761	0.761	0.13	0.1196	0.142	0.142	0.146	0.146	0.151	0.15	0.146	0.146
47074	Natte 5% Charcoal-Cocoa	BSDF File	17	@	Natte 5% Charcoal-Cocoa.xml	0.6	0.15	0.73	0.73	0.153	0.0581	0.062	0.062	0.061	0.061	0.063	0.06	0.061	0.061
47075	Natte 5% Charcoal-Charcoal	BSDF File	17	@	Natte 5% Charcoal-Charcoal.xml	0.6	0.15	0.765	0.765	0.11	0.0674	0.071	0.071	0.043	0.043	0.071	0.07	0.042	0.042

**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
47088	Natte 10% Charcoal-Cocoa	BSDF File	17	@	Natte 10% Charcoal-Cocoa.xml	0.5	0.15	0.74	0.74	0.149	0.0958	0.101	0.101	0.054	0.054	0.102	0.10	0.054	0.054
47089	Natte 10% Charcoal-Charcoal	BSDF File	17	@	Natte 10% Charcoal-Charcoal.xml	0.5	0.15	0.738	0.738	0.148	0.1013	0.106	0.106	0.04	0.04	0.106	0.11	0.039	0.039
47096	M Screen 1% Charcoal-Apricot	BSDF File	17	@	M Screen 1% Charcoal-Apricot.xml	0.6	0.15	0.725	0.725	0.161	0.0169	0.026	0.026	0.109	0.109	0.031	0.03	0.106	0.106
47097	M Screen 1% White-White	BSDF File	17	@	M Screen 1% White-White.xml	0.6	0.15	0.757	0.757	0.099	0.0111	0.141	0.141	0.826	0.826	0.157	0.16	0.735	0.735
47098	M Screen 1% White-Pearl	BSDF File	17	@	M Screen 1% White-Pearl.xml	0.6	0.15	0.793	0.793	0.071	0.0088	0.071	0.071	0.639	0.639	0.090	0.09	0.578	0.578
47099	M Screen 1% Pearl-Linen	BSDF File	17	@	M Screen 1% Pearl-Linen.xml	0.6	0.15	0.777	0.777	0.104	0.0129	0.053	0.053	0.376	0.376	0.081	0.08	0.35	0.35
47100	M Screen 1% Pearl-Pearl	BSDF File	17	@	M Screen 1% Pearl-Pearl.xml	0.6	0.15	0.782	0.782	0.089	0.0113	0.033	0.033	0.336	0.336	0.053	0.05	0.311	0.311
47101	M Screen 1% Charcoal-Grey	BSDF File	17	@	M Screen 1% Charcoal-Grey.xml	0.6	0.15	0.786	0.786	0.099	0.015	0.018	0.018	0.068	0.068	0.022	0.02	0.072	0.072
47102	M Screen 1% Charcoal-Charcoal	BSDF File	17	@	M Screen 1% Charcoal-Charcoal.xml	0.6	0.15	0.807	0.807	0.058	0.0154	0.018	0.018	0.039	0.039	0.018	0.02	0.039	0.039
47103	M Screen 1% White-Stone	BSDF File	17	@	M Screen 1% White-Stone.xml	0.6	0.15	0.787	0.787	0.087	0.0171	0.175	0.175	0.716	0.716	0.19	0.19	0.649	0.649
47104	M Screen 1% White-Linen	BSDF File	17	@	M Screen 1% White-Linen.xml	0.6	0.15	0.813	0.813	0.055	0.007	0.124	0.124	0.721	0.721	0.150	0.15	0.655	0.655
47105	M Screen 1% Linen-Stone	BSDF File	17	@	M Screen 1% Linen-Stone.xml	0.6	0.15	0.792	0.792	0.091	0.0185	0.175	0.175	0.527	0.527	0.210	0.21	0.495	0.495

**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
47106	M Screen 1% Linen-SableCocoa	BSDF File	17	@	M Screen 1% Linen-SableCocoa.xml	0.6	0.15	0.778	0.778	0.106	0.0166	0.085	0.085	0.415	0.415	0.11	0.11	0.385	0.385
47107	M Screen 1% Charcoal-Sable	BSDF File	17	@	M Screen 1% Charcoal-Sable.xml	0.6	0.15	0.795	0.795	0.083	0.0175	0.023	0.023	0.104	0.104	0.027	0.03	0.097	0.097
47108	M Screen 1% Charcoal-Cocoa	BSDF File	17	@	M Screen 1% Charcoal-Cocoa.xml	0.6	0.15	0.795	0.795	0.096	0.0122	0.014	0.014	0.053	0.053	0.015	0.02	0.051	0.051
47115	M Screen 3% Charcoal-Apricot	BSDF File	17	@	M Screen 3% Charcoal-Apricot.xml	0.6	0.15	0.827	0.827	0.068	0.0339	0.047	0.047	0.146	0.146	0.055	0.06	0.141	0.141
47116	M Screen 3% White-White	BSDF File	17	@	M Screen 3% White-White.xml	0.6	0.15	0.784	0.784	0.073	0.0346	0.156	0.156	0.815	0.815	0.171	0.17	0.727	0.727
47117	M Screen 3% White-Pearl	BSDF File	17	@	M Screen 3% White-Pearl.xml	0.6	0.15	0.771	0.771	0.094	0.0230	0.067	0.067	0.586	0.586	0.092	0.09	0.537	0.537
47118	M Screen 3% Pearl-Linen	BSDF File	17	@	M Screen 3% Pearl-Linen.xml	0.6	0.15	0.798	0.798	0.077	0.027	0.071	0.071	0.403	0.403	0.103	0.10	0.373	0.373
47119	M Screen 3% Pearl-Pearl	BSDF File	17	@	M Screen 3% Pearl-Pearl.xml	0.6	0.15	0.767	0.767	0.1	0.0303	0.060	0.060	0.36	0.36	0.086	0.09	0.335	0.335
47120	M Screen 3% Charcoal-Grey	BSDF File	17	@	M Screen 3% Charcoal-Grey.xml	0.6	0.15	0.799	0.799	0.094	0.0299	0.035	0.035	0.084	0.084	0.04	0.04	0.088	0.088
47121	M Screen 3% Charcoal-Charcoal	BSDF File	17	@	M Screen 3% Charcoal-Charcoal.xml	0.6	0.15	0.804	0.804	0.074	0.0362	0.04	0.04	0.041	0.041	0.04	0.04	0.041	0.041
47122	M Screen 3% White-Stone	BSDF File	17	@	M Screen 3% White-Stone.xml	0.6	0.15	0.751	0.751	0.102	0.0332	0.191	0.191	0.684	0.684	0.208	0.21	0.616	0.616
47123	M Screen 3% White-Linen	BSDF File	17	@	M Screen 3% White-Linen.xml	0.6	0.15	0.794	0.794	0.09	0.0268	0.137	0.137	0.684	0.684	0.166	0.17	0.622	0.622

**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
47124	M Screen 3% Linen-Stone	BSDF File	17	@	M Screen 3% Linen-Stone.xml	0.6	0.15	0.779	0.779	0.097	0.029	0.192	0.192	0.530	0.530	0.227	0.23	0.493	0.493
47125	M Screen 3% Linen-SableCocoa	BSDF File	17	@	M Screen 3% Linen-SableCocoa.xml	0.6	0.15	0.819	0.819	0.062	0.0246	0.068	0.068	0.374	0.374	0.092	0.09	0.346	0.346
47126	M Screen 3% Charcoal-Sable	BSDF File	17	@	M Screen 3% Charcoal-Sable.xml	0.6	0.15	0.792	0.792	0.099	0.031	0.04	0.04	0.132	0.132	0.045	0.04	0.125	0.125
47127	M Screen 3% Charcoal-Cocoa	BSDF File	17	@	M Screen 3% Charcoal-Cocoa.xml	0.6	0.15	0.803	0.803	0.088	0.0367	0.040	0.040	0.051	0.051	0.041	0.04	0.050	0.050
47134	M Screen 5% Charcoal-Apricot	BSDF File	17	@	M Screen 5% Charcoal-Apricot.xml	0.6	0.15	0.816	0.816	0.075	0.0462	0.061	0.061	0.138	0.138	0.069	0.07	0.134	0.134
47135	M Screen 5% White-White	BSDF File	17	@	M Screen 5% White-White.xml	0.6	0.15	0.782	0.782	0.089	0.0491	0.177	0.177	0.792	0.792	0.191	0.19	0.708	0.708
47136	M Screen 5% White-Pearl	BSDF File	17	@	M Screen 5% White-Pearl.xml	0.6	0.15	0.789	0.789	0.093	0.0462	0.102	0.102	0.582	0.582	0.123	0.12	0.521	0.521
47137	M Screen 5% Pearl-Linen	BSDF File	17	@	M Screen 5% Pearl-Linen.xml	0.6	0.15	0.826	0.826	0.052	0.0386	0.086	0.086	0.393	0.393	0.116	0.12	0.364	0.364
47138	M Screen 5% Pearl-Pearl	BSDF File	17	@	M Screen 5% Pearl-Pearl.xml	0.6	0.15	0.793	0.793	0.095	0.0474	0.073	0.073	0.326	0.326	0.094	0.09	0.299	0.299
47139	M Screen 5% Charcoal-Grey	BSDF File	17	@	M Screen 5% Charcoal-Grey.xml	0.6	0.15	0.802	0.802	0.081	0.0497	0.056	0.056	0.080	0.080	0.061	0.06	0.085	0.085
47140	M Screen 5% Charcoal-Charcoal	BSDF File	17	@	M Screen 5% Charcoal-Charcoal.xml	0.6	0.15	0.769	0.769	0.065	0.0391	0.043	0.043	0.044	0.044	0.043	0.04	0.042	0.042
47141	M Screen 5% White-Stone	BSDF File	17	@	M Screen 5% White-Stone.xml	0.6	0.15	0.763	0.763	0.121	0.0592	0.212	0.212	0.677	0.677	0.230	0.23	0.613	0.613

**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
47142	M Screen 5% White-Linen	BSDF File	17	@	M Screen 5% White-Linen.xml	0.6	0.15	0.792	0.792	0.083	0.0418	0.148	0.148	0.689	0.689	0.177	0.18	0.625	0.625
47143	M Screen 5% Linen-Stone	BSDF File	17	@	M Screen 5% Linen-Stone.xml	0.6	0.15	0.802	0.802	0.088	0.0437	0.208	0.208	0.524	0.524	0.243	0.24	0.486	0.486
47144	M Screen 5% Linen-SableCocoa	BSDF File	17	@	M Screen 5% Linen-SableCocoa.xml	0.6	0.15	0.799	0.799	0.083	0.0404	0.102	0.102	0.380	0.380	0.125	0.12	0.351	0.351
47145	M Screen 5% Charcoal-Sable	BSDF File	17	@	M Screen 5% Charcoal-Sable.xml	0.6	0.15	0.783	0.783	0.111	0.0493	0.059	0.059	0.127	0.127	0.064	0.06	0.119	0.119
47146	M Screen 5% Charcoal-Cocoa	BSDF File	17	@	M Screen 5% Charcoal-Cocoa.xml	0.6	0.15	0.794	0.794	0.085	0.0387	0.042	0.042	0.051	0.051	0.043	0.04	0.051	0.051
47153	M Screen Deco 3% Flagstone	BSDF File	17	@	M Screen Deco 3% Flagstone.xml	0.6	0.15	0.806	0.806	0.072	0.0404	0.053	0.053	0.212	0.212	0.065	0.06	0.209	0.209
47154	M Screen Deco 3% River Rock	BSDF File	17	@	M Screen Deco 3% River Rock.xml	0.6	0.15	0.769	0.769	0.101	0.0326	0.053	0.053	0.348	0.348	0.067	0.07	0.318	0.318
47155	M Screen Deco 3% Hazelnut	BSDF File	17	@	M Screen Deco 3% Hazelnut.xml	0.6	0.15	0.784	0.784	0.099	0.0325	0.042	0.042	0.125	0.125	0.05	0.05	0.132	0.132
47156	M Screen Deco 3% Parchment	BSDF File	17	@	M Screen Deco 3% Parchment.xml	0.6	0.15	0.788	0.788	0.083	0.0333	0.117	0.117	0.727	0.727	0.144	0.14	0.659	0.659
47157	M Screen Deco 3% Tumbleweed	BSDF File	17	@	M Screen Deco 3% Tumbleweed.xml	0.6	0.15	0.805	0.805	0.074	0.0307	0.048	0.048	0.315	0.315	0.068	0.07	0.306	0.306
47158	M Screen Deco 3% Naturelle	BSDF File	17	@	M Screen Deco 3% Naturelle.xml	0.6	0.15	0.779	0.779	0.1	0.0402	0.086	0.086	0.556	0.556	0.130	0.13	0.534	0.534
47159	M Screen Deco 3% Harvest	BSDF File	17	@	M Screen Deco 3% Harvest.xml	0.6	0.15	0.792	0.792	0.076	0.0339	0.045	0.045	0.153	0.153	0.055	0.05	0.162	0.162

**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
47166	M Screen Deco 5% Flagstone	BSDF File	17	@	M Screen Deco 5% Flagstone.xml	0.5	0.15	0.794	0.794	0.072	0.0502	0.066	0.066	0.203	0.203	0.079	0.08	0.2	0.2
47167	M Screen Deco 5% River Rock	BSDF File	17	@	M Screen Deco 5% River Rock.xml	0.5	0.15	0.786	0.786	0.087	0.0535	0.086	0.086	0.361	0.361	0.099	0.1	0.326	0.326
47168	M Screen Deco 5% Hazelnut	BSDF File	17	@	M Screen Deco 5% Hazelnut.xml	0.5	0.15	0.809	0.809	0.07	0.0427	0.055	0.055	0.136	0.136	0.063	0.06	0.145	0.145
47169	M Screen Deco 5% Parchment	BSDF File	17	@	M Screen Deco 5% Parchment.xml	0.5	0.15	0.785	0.785	0.089	0.0539	0.144	0.144	0.701	0.701	0.171	0.17	0.636	0.636
47170	M Screen Deco 5% Tumbleweed	BSDF File	17	@	M Screen Deco 5% Tumbleweed.xml	0.5	0.15	0.767	0.767	0.121	0.0601	0.083	0.083	0.297	0.297	0.101	0.10	0.289	0.289
47171	M Screen Deco 5% Naturelle	BSDF File	17	@	M Screen Deco 5% Naturelle.xml	0.5	0.15	0.806	0.806	0.064	0.0616	0.112	0.112	0.543	0.543	0.149	0.15	0.508	0.508
47172	M Screen Deco 5% Harvest	BSDF File	17	@	M Screen Deco 5% Harvest.xml	0.5	0.15	0.795	0.795	0.081	0.0504	0.067	0.067	0.169	0.169	0.080	0.08	0.179	0.179
47357	S Screen 4% Granite	BSDF File	17	@	S Screen 4% Granite.xml	0.9	0.15	0.788	0.788	0.064	0.0502	0.073	0.073	0.322	0.322	0.084	0.08	0.305	0.305
47358	S Screen 4% Marble	BSDF File	17	@	S Screen 4% Marble.xml	0.9	0.15	0.675	0.675	0.144	0.051	0.093	0.093	0.550	0.550	0.1	0.1	0.492	0.492
47359	S Screen 4% Porcelain	BSDF File	17	@	S Screen 4% Porcelain.xml	0.9	0.15	0.82	0.82	0.008	0.0499	0.105	0.105	0.633	0.633	0.119	0.12	0.578	0.578
47360	S Screen 4% Jute	BSDF File	17	@	S Screen 4% Jute.xml	0.9	0.15	0.718	0.718	0.114	0.0444	0.094	0.094	0.439	0.439	0.112	0.11	0.409	0.409
47361	S Screen 4% Cork	BSDF File	17	@	S Screen 4% Cork.xml	0.9	0.15	0.788	0.788	0.066	0.0497	0.081	0.081	0.346	0.346	0.096	0.1	0.336	0.336

**Mermet**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
47362	S Screen 4% Papyrus	BSDF File	17	@	S Screen 4% Papyrus.xml	0.9	0.15	0.782	0.782	0.066	0.0487	0.081	0.081	0.369	0.369	0.101	0.10	0.366	0.366
47363	S Screen 4% Sesame	BSDF File	17	@	S Screen 4% Sesame.xml	0.9	0.15	0.718	0.718	0.113	0.0538	0.062	0.062	0.17	0.17	0.066	0.07	0.163	0.163
47364	S Screen 4% Ginger	BSDF File	17	@	S Screen 4% Ginger.xml	0.9	0.15	0.75	0.75	0.105	0.0559	0.08	0.08	0.283	0.283	0.092	0.09	0.274	0.274
47365	S Screen 4% Nougat	BSDF File	17	@	S Screen 4% Nougat.xml	0.9	0.15	0.762	0.762	0.086	0.0467	0.07	0.07	0.349	0.349	0.087	0.09	0.348	0.348
47366	S Screen 4% Coffee Bean	BSDF File	17	@	S Screen 4% Coffee Bean.xml	0.9	0.15	0.731	0.731	0.099	0.0457	0.052	0.052	0.132	0.132	0.055	0.06	0.123	0.123
47367	S Screen 4% Peppercorn	BSDF File	17	@	S Screen 4% Peppercorn.xml	0.9	0.15	0.706	0.706	0.124	0.04	0.055	0.055	0.310	0.310	0.064	0.06	0.290	0.290
47368	S Screen 4% Seasalt	BSDF File	17	@	S Screen 4% Seasalt.xml	0.9	0.15	0.722	0.722	0.098	0.046	0.082	0.082	0.569	0.569	0.108	0.11	0.56	0.56

**Nolan.UDA**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	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	0.14	0.753	0.753	0.1731	5E-05	0.221	0.221	0.262	0.262	0.241	0.24	0.259	0.259

**Nysan**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
6000	Hexcel Screen2 (S2) 3%, White Pearl	BSDF File	31		2011-SA9.XML	1	0.15	0.792	0.792	0.1140	0.0351	0.153	0.168	0.618	0.441	0.185	0.2	0.569	0.436
6001	GreenScreen Eco 3%, Pewter Platinum	BSDF File	31		2011-SA2.XML	1	0.15	0.873	0.564	0.0625	0.0126	0.040	0.040	0.113	0.113	0.095	0.09	0.32	0.32

**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
6002	GreenScreen Eco 3%, Charcoal Bronze	BSDF File	31		2011-SA4.XML	1	0.15	0.82	0.82	0.0935	0.0266	0.087	0.087	0.146	0.146	0.333	0.33	0.291	0.291
6003	GreenScreen Eco Dual Tone 3%, Pewter Pearl	BSDF File	31		2011-SA3.XML	1	0.15	0.837	0.558	0.0643	0.0578	0.154	0.154	0.401	0.401	0.328	0.33	0.329	0.329
6004	GreenScreen Eco 1%, Pearl	BSDF File	31		2011-SA11.XML	1	0.15	0.838	0.838	0.0812	0.0175	0.238	0.238	0.321	0.321	0.379	0.38	0.421	0.421
6005	GreenScreen Eco 1%, Pewter	BSDF File	31		2011-SA12.XML	1	0.15	0.848	0.848	0.0662	0.0145	0.095	0.089	0.106	0.117	0.329	0.33	0.328	0.332
6006	Satine 5500 5%, White Pearl	BSDF File	31		2011-SA1.XML	1	0.15	0.796	0.796	0.1092	0.0499	0.096	0.094	0.482	0.56	0.118	0.12	0.465	0.526
6007	Satine 5500 5%, Dark Grey White	BSDF File	31		2011-SA5.XML	1	0.15	0.834	0.834	0.0737	0.0439	0.079	0.078	0.317	0.433	0.109	0.11	0.327	0.415
6008	SuperScreen (300) 3%, White Pearl	BSDF File	31		2011-SA7.XML	1	0.15	0.856	0.856	0.0573	0.0224	0.136	0.136	0.612	0.612	0.168	0.17	0.547	0.547
6009	SuperScreen 3%, Pewter	BSDF File	31		2011-SA8.XML	1	0.15	0.868	0.868	0.0468	0.0244	0.045	0.045	0.170	0.170	0.088	0.09	0.208	0.208
6010	SuperTwill 3%, Bronze Linen Pewter	BSDF File	31		2011-SA10.XML	1	0.15	0.836	0.836	0.0656	0.0292	0.074	0.067	0.220	0.374	0.106	0.1	0.226	0.356
6011	SuperWeave 5%, Pewter	BSDF File	31		2011-SA6.XML	1	0.15	0.823	0.823	0.0938	0.0628	0.078	0.078	0.171	0.171	0.115	0.11	0.209	0.209
6012	Serge (Helioscreen) 3% 2165, Grey White	BSDF File	31		2011-SA82.XML	1	0.15	0.862	0.854	0.0519	0.0519	0.069	0.067	0.316	0.434	0.095	0.09	0.329	0.420
6013	Serge 2165, Pearl White	BSDF File	31		2011-SA81.XML	1	0.15	0.84	0.832	0.0734	0.0734	0.123	0.124	0.498	0.568	0.142	0.14	0.460	0.518

**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
6014	Paradise 11600, White	BSDF File	31		2011-SA80.XML	1	0.15	0.882	0.882	0.0472	0.0472	0.312	0.312	0.632	0.632	0.302	0.30	0.601	0.601

**ODL**

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
22000	ODL 14.8mm Slat, Deployed & Flat : White : 0 : 14.8	Venetian	24	#															
22001	ODL 14.8mm Slat, Deployed & Closed : White : +70 : 14.8	Venetian	24	#															
22002	ODL 14.8mm Slat, Deployed & +45 : White : +45 : 14.8	Venetian	24	#															
22003	ODL 14.8mm Slat, Deployed & -45 : White : -45 : 14.8	Venetian	24	#															
22004	ODL 12.3mm Slat, Deployed & -45 : Sand : -45 : 12.3	Venetian	24	#															
22005	ODL 12.3mm Slat, Deployed & -45 : Tan : -45 : 12.3	Venetian	24	#															
22006	ODL 12.3mm Slat, Deployed & Flat : Espresso : 0 : 12.3	Venetian	24	#															

**ODL**

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
22007	ODL 12.3mm Slat, Deployed & Closed : Espresso : +70 : 12.3	Venetian	24	#															
22008	ODL 12.3mm Slat, Deployed & +45 : Espresso : +45 : 12.3	Venetian	24	#															
22009	ODL 12.3mm Slat, Deployed & Flat : Sand : 0 : 12.3	Venetian	24	#															
22010	ODL 12.3mm Slat, Deployed & Closed : Sand : +70 : 12.3	Venetian	24	#															
22011	ODL 12.3mm Slat, Deployed & +45 : Sand : +45 : 12.3	Venetian	24	#															
22012	ODL 12.3mm Slat, Deployed & Flat : Tan : 0 : 12.3	Venetian	24	#															
22013	ODL 12.3mm Slat, Deployed & Closed : Tan : +70 : 12.3	Venetian	24	#															
22014	ODL 12.3mm Slat, Deployed & +45 : Tan : +45 : 12.3	Venetian	24	#															
22015	ODL 12.3mm Slat, Deployed & Flat : White : 0 : 12.3	Venetian	24	#															

**ODL**

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
22016	ODL 12.3mm Slat, Deployed & Closed : White : +70 : 12.3	Venetian	24	#															
22017	ODL 12.3mm Slat, Deployed & +45 : White : +45 : 12.3	Venetian	24	#															
22018	ODL 12.3mm Slat, Deployed & -45 : White : -45 : 12.3	Venetian	24	#															
22019	ODL 14.8mm Slat, Deployed & -45 : Espresso : -45 : 14.8	Venetian	24	#															
22020	ODL 14.8mm Slat, Deployed & Flat : Espresso : 0 : 14.8	Venetian	24	#															
22021	ODL 14.8mm Slat, Deployed & Closed : Espresso : +70 : 14.8	Venetian	24	#															
22022	ODL 14.8mm Slat, Deployed & +45 : Espresso : +45 : 14.8	Venetian	24	#															
22023	ODL 14.8mm Slat, Deployed & Flat : Sand : 0 : 14.8	Venetian	24	#															
22024	ODL 14.8mm Slat, Deployed & Closed : Sand : +70 : 14.8	Venetian	24	#															

**ODL**

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
22025	ODL 14.8mm Slat, Deployed & +45 : Sand : +45 : 14.8	Venetian	24	#															
22026	ODL 14.8mm Slat, Deployed & Flat : Tan : 0 : 14.8	Venetian	24	#															
22027	ODL 14.8mm Slat, Deployed & Closed : Tan : +70 : 14.8	Venetian	24	#															
22028	ODL 14.8mm Slat, Deployed & +45 : Tan : +45 : 14.8	Venetian	24	#															
22029	ODL 11.4mm Slat, Deployed & Flat : White : 0 : 11.4	Venetian	24	#															
22030	ODL 11.4mm Slat, Deployed & Closed : White : +70 : 11.4	Venetian	24	#															
22031	ODL 11.4mm Slat, Deployed & +45 : White : +45 : 11.4	Venetian	24	#															
22032	ODL 11.4mm Slat, Deployed & Flat : Espresso : 0 : 11.4	Venetian	24	#															
22033	ODL 11.4mm Slat, Deployed & Closed : Espresso : +70 : 11.4	Venetian	24	#															

**ODL**

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
22034	ODL 11.4mm Slat, Deployed & +45 : Espresso : +45 : 11.4	Venetian	24	#															
22035	ODL 11.4mm Slat, Deployed & Flat : Sand : 0 : 11.4	Venetian	24	#															
22036	ODL 11.4mm Slat, Deployed & Closed : Sand : +70 : 11.4	Venetian	24	#															
22037	ODL 11.4mm Slat, Deployed & +45 : Sand : +45 : 11.4	Venetian	24	#															
22038	ODL 11.4mm Slat, Deployed & Flat : Tan : 0 : 11.4	Venetian	24	#															
22039	ODL 11.4mm Slat, Deployed & Closed : Tan : +70 : 11.4	Venetian	24	#															
22040	ODL 11.4mm Slat, Deployed & +45 : Tan : +45 : 11.4	Venetian	24	#															
22041	ODL 9.9mm Slat, Deployed & Flat : White : 0 : 9.9	Venetian	24	#															
22042	ODL 9.9mm Slat, Deployed & Closed : White : +70 : 9.9	Venetian	24	#															

**ODL**

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
22043	ODL 9.9mm Slat, Deployed & +45 : White : +45 : 9.9	Venetian	24	#															
22044	ODL 9.9mm Slat, Deployed & Flat : Espresso : 0 : 9.9	Venetian	24	#															
22045	ODL 9.9mm Slat, Deployed & Closed : Espresso : +70 : 9.9	Venetian	24	#															
22046	ODL 9.9mm Slat, Deployed & +45 : Espresso : +45 : 9.9	Venetian	24	#															
22047	ODL 9.9mm Slat, Deployed & Flat : Sand : 0 : 9.9	Venetian	24	#															
22048	ODL 9.9mm Slat, Deployed & Closed : Sand : +70 : 9.9	Venetian	24	#															
22049	ODL 9.9mm Slat, Deployed & +45 : Sand : +45 : 9.9	Venetian	24	#															
22050	ODL 9.9mm Slat, Deployed & Flat : Tan : 0 : 9.9	Venetian	24	#															
22051	ODL 9.9mm Slat, Deployed & Closed : Tan : +70 : 9.9	Venetian	24	#															

**ODL**

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
22052	ODL 9.9mm Slat, Deployed & +45 : Tan : +45 : 9.9	Venetian	24	#															
22053	ODL 12.3mm Slat, Deployed & -45 : Espresso : -45 : 12.3	Venetian	24	#															
22054	ODL 12.3mm Slat, Deployed & -45 : Sand : -45 : 12.3	Venetian	24	#															
22055	ODL 12.3mm Slat, Deployed & -45 : Tan : -45 : 12.3	Venetian	24	#															
22056	ODL 11.4mm Slat, Deployed & -45 : Espresso : -45 : 11.4	Venetian	24	#															
22057	ODL 11.4mm Slat, Deployed & -45 : Sand : -45 : 11.4	Venetian	24	#															
22058	ODL 11.4mm Slat, Deployed & -45 : Sand : -45 : 11.4	Venetian	24	#															
22059	ODL 11.4mm Slat, Deployed & -45 : Tan : -45 : 11.4	Venetian	24	#															
22060	ODL 9.9mm Slat, Deployed & -45 : White : -45 : 9.9	Venetian	24	#															

**ODL**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
22061	ODL 9.9mm Slat, Deployed & -45 : Espresso : -45 : 9.9	Venetian	24	#															
22062	ODL 9.9mm Slat, Deployed & -45 : Sand : -45 : 9.9	Venetian	24	#															
22063	ODL 9.9mm Slat, Deployed & -45 : Tan : -45 : 9.9	Venetian	24	#															

**Pella**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
3000	Slim White VB Closed	Venetian	1	#															
3001	Slim White VB 45	Venetian	1	#															
3002	Slim White Open	Venetian	1	#															
3003	Slim Marine Closed	Venetian	1	#															
3004	Slim Marine 45	Venetian	1	#															
3005	Slim Marine Open	Venetian	1	#															

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ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
17000	sheerWeave 2360, P12 Oyster	BSDF File	10	@	2011- SA23.XML	1	0.15	0.778	0.778	0.1364	0.0981	0.255	0.255	0.699	0.699	0.278	0.28	0.622	0.622

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ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
17001	sheerWeave 2703, P13 Oyster/Beige	BSDF File	10	@	2011-SA14.XML	1	0.15	0.817	0.817	0.0934	0.0443	0.165	0.154	0.555	0.664	0.186	0.18	0.512	0.597
17002	sheerWeave 4000, V 10 Ebony	BSDF File	10	@	2011-SA13.XML	1	0.15	0.808	0.808	0.0988	0.0663	0.070	0.070	0.035	0.035	0.071	0.07	0.034	0.034
17003	sheerWeave 4100,V07 Pewter	BSDF File	10	@	2011-SA15.XML	1	0.15	0.803	0.803	0.1042	0.0840	0.101	0.101	0.316	0.316	0.108	0.11	0.293	0.293
17004	sheerWeave 5000,Q94 Tweed/Oatmeal	BSDF File	10	@	2011-SA42.XML	1	0.15	0.808	0.808	0.0725	0.0514	0.079	0.079	0.314	0.377	0.113	0.11	0.319	0.419
17005	sheerWeave 7300,R29 Hide	BSDF File	10	@	2011-SA16.XML	1	0.15	0.86	0.87	0.0002	9E-06	1E-05	1E-05	0.807	0.17	6E-06	6E-06	0.731	0.446
17006	SunTex 80, Brown	BSDF File	10	@	2011-SA17.XML	1	0.15	0.670	0.670	0.2558	0.2739	0.285	0.285	0.035	0.035	0.285	0.28	0.035	0.035
17007	SunTex 90, Black	BSDF File	10	@	2011-SA84.XML	1	0.15	0.782	0.782	0.1231	0.1231	0.143	0.143	0.034	0.034	0.143	0.14	0.035	0.035
17008	SuperSolar Screening +, Charcoal	BSDF File	10	@	2011-SA83.XML	1	0.15	0.722	0.722	0.1898	0.1898	0.147	0.147	0.047	0.047	0.147	0.15	0.051	0.051
17009	sheerWeave 2390 Performance + Q20 Beige	BSDF File	10	@	2014-SC20.XML	0.5	0.15	0.162	0.793	0.0465	0.0606	0.08	0.077	0.696	0.541	0.083	0.08	0.705	0.507
17010	sheerWeave 2410 Performance + P13 Oyster/Beige	BSDF File	10	@	2014-SC21.XML	0.5	0.15	0.203	0.831	5E-05	0.037	0.053	0.053	0.704	0.651	0.055	0.06	0.714	0.601
17011	sheerWeave 2390 Performance + P13 Oyster/Beige	BSDF File	10	@	2014-SC22.XML	0.5	0.15	0.168	0.804	0.0279	0.0577	0.082	0.080	0.704	0.65	0.084	0.08	0.713	0.594

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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
17012	sheerWeave 2390 Performance + P12 Oyster	BSDF File	10	@	2014-SC23.XML	0.5	0.15	0.195	0.822	0.0386	0.0570	0.084	0.081	0.687	0.742	0.086	0.08	0.697	0.665
17013	sheerWeave 2390 Performance + Q21 Beige/Pearl Gray	BSDF File	10	@	2014-SC24.XML	0.5	0.15	0.187	0.824	0.0234	0.0585	0.077	0.072	0.689	0.453	0.08	0.07	0.698	0.423
17014	sheerWeave 2410 Performance + V20 Pearl Gray	BSDF File	10	@	2014-SC25.XML	0.5	0.15	0.142	0.828	0.0475	0.0342	0.046	0.041	0.714	0.363	0.048	0.04	0.724	0.347
17015	sheerWeave 2410 Performance + Q20 Beige	BSDF File	10	@	2014-SC26.XML	0.5	0.15	0.179	0.831	0.023	0.0417	0.059	0.055	0.702	0.556	0.062	0.06	0.712	0.525
17016	sheerWeave 2410 Performance + V21 Charcoal	BSDF File	10	@	2014-SC27.XML	0.5	0.15	0.171	0.845	0.0226	0.0363	0.044	0.04	0.704	0.045	0.044	0.04	0.713	0.045
17017	sheerWeave 2390 Performance + V22 Charcoal Gray	BSDF File	10	@	2014-SC28.XML	0.5	0.15	0.176	0.805	0.0446	0.0665	0.077	0.072	0.687	0.101	0.077	0.07	0.696	0.095
17018	sheerWeave 2390 Performance + P14 Oyster/Pearl Gray	BSDF File	10	@	2014-SC29.XML	0.5	0.15	0.161	0.814	0.0660	0.0598	0.079	0.075	0.693	0.539	0.081	0.08	0.701	0.493
17019	sheerWeave 2390 Performance + V20 Pearl Gray	BSDF File	10	@	2014-SC30.XML	0.5	0.15	0.156	0.806	0.0218	0.0538	0.068	0.063	0.716	0.356	0.07	0.06	0.726	0.34
17020	sheerWeave 2410 Performance + Q21 Beige/Pearl Gray	BSDF File	10	@	2014-SC31.XML	0.5	0.15	0.183	0.810	0.0335	0.0590	0.077	0.072	0.689	0.449	0.079	0.07	0.699	0.419

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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
17021	sheerWeave 2410 Performance + P12 Oyster	BSDF File	10	@	2014-SC33.XML	0.5	0.15	0.21	0.862	0.0002	0.0291	0.049	0.048	0.703	0.779	0.050	0.05	0.712	0.699
17022	sheerWeave 2410 Performance + P14 Oyster/Pearl Gray	BSDF File	10	@	2014-SC34.XML	0.5	0.15	0.179	0.875	0.023	0.0308	0.041	0.040	0.710	0.533	0.043	0.04	0.720	0.484
17023	sheerWeave 2390 Performance + V21 Charcoal	BSDF File	10	@	2014-SC35.XML	0.5	0.15	0.177	0.806	0.0482	0.0691	0.083	0.074	0.681	0.044	0.084	0.07	0.691	0.044
17024	sheerWeave 2410 Performance + V22 Charcoal Gray	BSDF File	10	@	2014-SC36.XML	0.5	0.15	0.172	0.843	0.0227	0.0368	0.045	0.041	0.697	0.109	0.046	0.04	0.706	0.101
17025	sheerWeave 2390 Performance + V24 CCL/Chestnut	BSDF File	10	@	2014-SC37.XML	0.5	0.15	0.185	0.784	0.0553	0.0678	0.082	0.073	0.652	0.057	0.083	0.07	0.661	0.067
17026	sheerWeave 2410 Performance + V24 CCL/Chestnut	BSDF File	10	@	2014-SC38.XML	0.5	0.15	0.181	0.832	0.0006	0.0378	0.047	0.041	0.696	0.058	0.048	0.04	0.708	0.069
17027	Suntex 95 Alpaca	BSDF File	17	@	Suntex_95_Alpaca.xml	0.7	0.2	0.82	0.82	0.09	0.0581	0.070	0.071	0.398	0.4	0.096	0.1	0.386	0.388
17028	Suntex 95 Black	BSDF File	17	@	Suntex_95_Black.xml	0.7	0.2	0.84	0.84	0.08	0.06	0.065	0.063	0.034	0.034	0.066	0.06	0.035	0.035
17029	Suntex 95 Carbon	BSDF File	17	@	Suntex_95_Carbon.xml	0.7	0.2	0.82	0.82	0.09	0.0563	0.063	0.064	0.105	0.099	0.067	0.07	0.102	0.099
17030	Suntex 95 Chestnut	BSDF File	17	@	Suntex_95_Chestnut.xml	0.7	0.2	0.81	0.81	0.09	0.0547	0.088	0.088	0.413	0.416	0.122	0.12	0.392	0.393

**Phifer Incorporated**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
17031	Suntex 95 Dark Bronze	BSDF File	17	@	Suntex_95_Dark_Bronze.xml	0.7	0.2	0.83	0.83	0.08	0.0566	0.061	0.062	0.044	0.044	0.063	0.06	0.049	0.05
17032	Suntex 95 Mocha	BSDF File	17	@	Suntex_95_Mocha.xml	0.7	0.2	0.81	0.81	0.1	0.0587	0.068	0.067	0.224	0.223	0.086	0.09	0.240	0.24
17033	Suntex 95 Sand	BSDF File	17	@	Suntex_95_Sand.xml	0.7	0.2	0.82	0.82	0.09	0.0499	0.073	0.075	0.454	0.453	0.129	0.13	0.452	0.451
17034	Suntex 95 Stucco	BSDF File	17	@	Suntex_95_Stucco.xml	0.7	0.2	0.83	0.83	0.08	0.0526	0.098	0.096	0.529	0.529	0.154	0.15	0.511	0.512
17035	Suntex 95 White	BSDF File	17	@	Suntex_95_White.xml	0.7	0.2	0.83	0.83	0.08	0.0594	0.161	0.163	0.798	0.798	0.201	0.20	0.702	0.702
17036	Suntex 95 White Grey	BSDF File	17	@	Suntex_95_White_Grey.xml	0.7	0.2	0.82	0.82	0.09	0.0569	0.105	0.104	0.598	0.601	0.132	0.13	0.527	0.53
17037	Suntex 80 Beige	BSDF File	17	@	Suntex_80_Beige.xml	0.7	0.2	0.644	0.644	0.28	0.0210	0.284	0.283	0.316	0.318	0.313	0.31	0.309	0.312
17038	Suntex 80 Black	BSDF File	17	@	Suntex_80_Black.xml	0.7	0.2	0.662	0.662	0.27	0.0091	0.273	0.273	0.027	0.027	0.274	0.27	0.026	0.027
17039	Suntex 80 Brown	BSDF File	17	@	Suntex_80_Brown.xml	0.7	0.2	0.657	0.657	0.273	0.0086	0.27	0.27	0.036	0.035	0.269	0.27	0.036	0.036
17040	Suntex 80 Dark Bronze	BSDF File	17	@	Suntex_80_Dark_Bronze.xml	0.7	0.2	0.654	0.654	0.276	0.0088	0.271	0.271	0.038	0.039	0.274	0.27	0.042	0.042
17041	Suntex 80 Grey	BSDF File	17	@	Suntex_80_Grey.xml	0.7	0.2	0.654	0.654	0.273	0.0148	0.279	0.279	0.24	0.241	0.29	0.29	0.219	0.221
17042	Suntex 80 Stucco	BSDF File	17	@	Suntex_80_Stucco.xml	0.7	0.2	0.647	0.647	0.281	0.0349	0.296	0.296	0.398	0.384	0.328	0.33	0.382	0.370

**Phifer Incorporated**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
17043	Suntex 90 Beige	BSDF File	17	@	Suntex_90_Beige.xml	0.8	0.2	0.775	0.775	0.137	0.017	0.132	0.133	0.378	0.379	0.162	0.16	0.365	0.366
17044	Suntex 90 Black	BSDF File	17	@	Suntex_90_Black.xml	0.8	0.2	0.783	0.783	0.135	0.0071	0.125	0.124	0.033	0.033	0.125	0.12	0.032	0.032
17045	Suntex 90 Brown	BSDF File	17	@	Suntex_90_Brown.xml	0.8	0.2	0.784	0.784	0.134	0.0072	0.117	0.115	0.041	0.041	0.117	0.11	0.042	0.042
17046	Suntex 90 Dark Bronze	BSDF File	17	@	Suntex_90_Dark_Bronze.xml	0.8	0.2	0.786	0.786	0.13	0.0072	0.116	0.117	0.042	0.043	0.118	0.12	0.045	0.046
17047	Suntex 90 Grey	BSDF File	17	@	Suntex_90_Grey.xml	0.8	0.2	0.774	0.774	0.138	0.0108	0.117	0.118	0.293	0.293	0.128	0.13	0.266	0.266
17048	Suntex 90 Stucco	BSDF File	17	@	Suntex_90_Stucco.xml	0.8	0.2	0.769	0.769	0.141	0.0332	0.151	0.149	0.467	0.483	0.184	0.18	0.441	0.456

**Polytronix**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
54000	7/16" Polyvision Laminate, open/clear	Direct-Diffuse	31	#		12	0.67	0.84	0.84	0	0	0.768	0.768	0.135	0.135	0.591	0.59	0.09	0.09
54001	7/16" Polyvision Laminate, closed/diffuse	Direct-Diffuse	31	#		12	0.67	0.84	0.84	0	0	0.555	0.555	0.209	0.209	0.44	0.44	0.124	0.124
54002	9/16" Polyvision Laminate, open/clear	Direct-Diffuse	31	#		14	0.71	0.84	0.84	0	0	0.746	0.746	0.144	0.144	0.575	0.58	0.093	0.093
54003	9/16" Polyvision Laminate, closed/diffuse	Direct-Diffuse	31	#		14	0.71	0.84	0.84	0	0	0.526	0.526	0.205	0.205	0.424	0.42	0.12	0.12

**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	0.14	0.842	0.842	0.0740	0.041	0.045	0.045	0.066	0.066	0.045	0.05	0.061	0.061

**Rollese Acmeda**

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
50000	3000 Net 1% - White/White	BSDF File	17	@	3000 Net 1% - White-White.xml	0.7	0.15	0.792	0.792	0.069	0.0062	0.125	0.125	0.854	0.860	0.172	0.17	0.746	0.75
50001	3000 Net 1% - White/Beige	BSDF File	17	@	3000 Net 1% - White-Beige.xml	0.7	0.15	0.805	0.782	0.083	0.0035	0.104	0.107	0.716	0.718	0.162	0.16	0.642	0.644
50002	3000 Net 1% - White/Gray	BSDF File	17	@	3000 Net 1% - White-Gray.xml	0.7	0.15	0.779	0.779	0.093	0.0053	0.048	0.052	0.597	0.595	0.090	0.09	0.530	0.53
50003	3000 Net 1% - Beige/Beige	BSDF File	17	@	3000 Net 1% - Beige-Beige.xml	0.7	0.15	0.805	0.794	0.078	0.0015	0.109	0.116	0.562	0.562	0.174	0.18	0.523	0.523
50004	3000 Net 1% - Beige/Gray	BSDF File	17	@	3000 Net 1% - Beige-Gray.xml	0.7	0.15	0.826	0.788	0.076	0.0137	0.056	0.056	0.432	0.428	0.101	0.10	0.404	0.401
50005	3000 Net 1% - Gray/Gray	BSDF File	17	@	3000 Net 1% - Gray-Gray.xml	0.7	0.15	0.811	0.78	0.082	0.0034	0.015	0.016	0.323	0.324	0.047	0.05	0.312	0.314
50006	3000 Net 1% - Charcoal/Charcoal	BSDF File	17	@	3000 Net 1% - Charcoal-Charcoal.xml	0.7	0.15	0.794	0.804	0.083	0.0056	0.007	0.006	0.036	0.036	0.007	0.007	0.035	0.036
50007	3000 Net 1% - Charcoal/Bronze	BSDF File	17	@	3000 Net 1% - Charcoal-Bronze.xml	0.7	0.15	0.813	0.813	0.067	0.0044	0.005	0.005	0.052	0.053	0.007	0.006	0.056	0.057
50008	3000 Net 1% - Charcoal/Gray	BSDF File	17	@	3000 Net 1% - Charcoal-Gray.xml	0.7	0.15	0.779	0.779	0.105	0.0039	0.005	0.005	0.126	0.126	0.008	0.008	0.116	0.115
50009	3000 Net 3% - White/White	BSDF File	17	@	3000 Net 3% - White-White.xml	0.6	0.15	0.81	0.774	0.093	0.0368	0.153	0.149	0.808	0.806	0.202	0.2	0.713	0.712

**Rollese Acmeda**

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
50010	3000 Net 3% - White/Beige	BSDF File	17	@	3000 Net 3% - White-Beige.xml	0.6	0.15	0.801	0.801	0.098	0.0343	0.139	0.140	0.679	0.679	0.198	0.2	0.608	0.609
50011	3000 Net 3% - White/Gray	BSDF File	17	@	3000 Net 3% - White-Gray.xml	0.6	0.15	0.769	0.769	0.119	0.0250	0.058	0.061	0.53	0.533	0.101	0.11	0.478	0.481
50012	3000 Net 3% - Beige/Beige	BSDF File	17	@	3000 Net 3% - Beige-Beige.xml	0.6	0.15	0.81	0.774	0.09	0.0236	0.126	0.124	0.562	0.554	0.191	0.19	0.522	0.516
50013	3000 Net 3% - Beige/Gray	BSDF File	17	@	3000 Net 3% - Beige-Gray.xml	0.6	0.15	0.807	0.805	0.082	0.0371	0.088	0.085	0.415	0.414	0.137	0.13	0.391	0.390
50014	3000 Net 3% - Gray/Gray	BSDF File	17	@	3000 Net 3% - Gray-Gray.xml	0.6	0.15	0.773	0.792	0.094	0.0301	0.046	0.047	0.327	0.324	0.081	0.08	0.319	0.316
50015	3000 Net 3% - Charcoal/Charcoal	BSDF File	17	@	3000 Net 3% - Charcoal-Charcoal.xml	0.6	0.15	0.761	0.802	0.1	0.0382	0.041	0.041	0.034	0.035	0.042	0.04	0.034	0.035
50016	3000 Net 3% - Charcoal/Bronze	BSDF File	17	@	3000 Net 3% - Charcoal-Bronze.xml	0.6	0.15	0.779	0.828	0.09	0.0291	0.032	0.033	0.062	0.063	0.035	0.04	0.069	0.071
50017	3000 Net 3% - Charcoal/Gray	BSDF File	17	@	3000 Net 3% - Charcoal-Gray.xml	0.6	0.15	0.781	0.825	0.078	0.0312	0.037	0.037	0.168	0.169	0.043	0.04	0.154	0.155
50018	3000 Net 5% - White/White	BSDF File	17	@	3000 Net 5% - White-White.xml	0.6	0.15	0.8	0.752	0.106	0.0542	0.172	0.172	0.787	0.785	0.224	0.22	0.687	0.685
50019	3000 Net 5% - White/Beige	BSDF File	17	@	3000 Net 5% - White-Beige.xml	0.6	0.15	0.772	0.779	0.108	0.0635	0.181	0.181	0.636	0.638	0.239	0.24	0.572	0.573
50020	3000 Net 5% - White/Gray	BSDF File	17	@	3000 Net 5% - White-Gray.xml	0.6	0.15	0.789	0.756	0.117	0.0614	0.104	0.103	0.489	0.49	0.151	0.15	0.446	0.446
50021	3000 Net 5% - Beige/Beige	BSDF File	17	@	3000 Net 5% - Beige-Beige.xml	0.6	0.15	0.774	0.783	0.12	0.064	0.191	0.193	0.527	0.529	0.251	0.25	0.488	0.490

**Rollese Acmeda**

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
50022	3000 Net 5% - Beige/Gray	BSDF File	17	@	3000 Net 5% - Beige-Gray.xml	0.6	0.15	0.78	0.794	0.095	0.048	0.099	0.100	0.402	0.401	0.152	0.15	0.384	0.383
50023	3000 Net 5% - Gray/Gray	BSDF File	17	@	3000 Net 5% - Gray-Gray.xml	0.6	0.15	0.807	0.784	0.087	0.0658	0.088	0.086	0.306	0.305	0.128	0.12	0.299	0.297
50024	3000 Net 5% - Charcoal/Charcoal	BSDF File	17	@	3000 Net 5% - Charcoal-Charcoal.xml	0.6	0.15	0.796	0.788	0.099	0.0511	0.055	0.055	0.035	0.035	0.056	0.06	0.035	0.035
50025	3000 Net 5% - Charcoal/Bronze	BSDF File	17	@	3000 Net 5% - Charcoal-Bronze.xml	0.6	0.15	0.782	0.782	0.107	0.0667	0.072	0.069	0.06	0.059	0.078	0.08	0.068	0.067
50026	3000 Net 5% - Charcoal/Gray	BSDF File	17	@	3000 Net 5% - Charcoal-Gray.xml	0.6	0.15	0.8	0.764	0.094	0.0662	0.077	0.073	0.171	0.169	0.088	0.08	0.158	0.156
50027	3000 Net 10% - White/White	BSDF File	17	@	3000 Net 10% - White-White.xml	0.5	0.15	0.765	0.757	0.127	0.0826	0.203	0.204	0.76	0.757	0.251	0.25	0.667	0.664
50028	3000 Net 10% - White/Beige	BSDF File	17	@	3000 Net 10% - White-Beige.xml	0.5	0.15	0.733	0.767	0.126	0.0813	0.204	0.205	0.637	0.633	0.257	0.26	0.574	0.57
50029	3000 Net 10% - White/Gray	BSDF File	17	@	3000 Net 10% - White-Gray.xml	0.5	0.15	0.773	0.773	0.084	0.057	0.099	0.102	0.487	0.490	0.145	0.15	0.444	0.446
50030	3000 Net 10% - Charcoal/Charcoal	BSDF File	17	@	3000 Net 10% - Charcoal-Charcoal.xml	0.5	0.15	0.77	0.77	0.129	0.0820	0.086	0.085	0.037	0.037	0.087	0.09	0.036	0.037
50031	3000 HT 3% - White/White	BSDF File	17	@	3000 HT 3% - White-White.xml	0.6	0.15	0.765	0.765	0.116	0.0444	0.189	0.186	0.764	0.77	0.233	0.23	0.675	0.679
50032	3000 HT 3% - White/Beige	BSDF File	17	@	3000 HT 3% - White-Beige.xml	0.6	0.15	0.762	0.763	0.11	0.064	0.196	0.206	0.651	0.573	0.245	0.25	0.585	0.531
50033	3000 HT 3% - White/Light Gray	BSDF File	17	@	3000 HT 3% - White-Light Gray.xml	0.6	0.15	0.753	0.786	0.113	0.0519	0.136	0.142	0.611	0.435	0.183	0.19	0.553	0.425

**Rollese Acmeda**

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
50034	3000 HT 3% - White/Dim Gray	BSDF File	25	@	3000 HT 3% - White-Dim Gray.xml	0.6	0.15	0.818	0.755	0.827	0.0441	0.08	0.086	0.536	0.238	0.111	0.12	0.479	0.245
50035	3000 HT 3% - White/Bronze	BSDF File	17	@	3000 HT 3% - White-Bronze.xml	0.6	0.15	0.796	0.759	0.092	0.0539	0.079	0.080	0.491	0.161	0.105	0.11	0.431	0.166
50036	3000 HT 3% - White/Charcoal	BSDF File	17	@	3000 HT 3% - White-Charcoal.xml	0.6	0.15	0.776	0.778	0.107	0.0531	0.071	0.071	0.484	0.122	0.075	0.08	0.405	0.099
50037	3000 HT 5% - White/White	BSDF File	17	@	3000 HT 5% - White-White.xml	0.5	0.15	0.774	0.772	0.11	0.0710	0.21	0.217	0.742	0.736	0.257	0.26	0.654	0.648
50038	3000 HT 5% - White/Beige	BSDF File	17	@	3000 HT 5% - White-Beige.xml	0.5	0.15	0.797	0.745	0.101	0.0633	0.205	0.206	0.653	0.579	0.253	0.25	0.589	0.538
50039	3000 HT 5% - White/Light Gray	BSDF File	17	@	3000 HT 5% - White-Light Gray.xml	0.5	0.15	0.766	0.75	0.13	0.0712	0.162	0.171	0.615	0.45	0.215	0.22	0.553	0.436
50040	3000 HT 5% - White/Dim Gray	BSDF File	17	@	3000 HT 5% - White-Dim Gray.xml	0.5	0.15	0.756	0.745	0.131	0.0748	0.123	0.138	0.539	0.262	0.158	0.17	0.481	0.264
50041	3000 HT 5% - White/Bronze	BSDF File	17	@	3000 HT 5% - White-Bronze.xml	0.5	0.15	0.789	0.762	0.107	0.0498	0.073	0.080	0.502	0.167	0.098	0.11	0.442	0.175
50042	3000 HT 5% - White/Charcoal	BSDF File	17	@	3000 HT 5% - White-Charcoal.xml	0.5	0.15	0.779	0.778	0.095	0.0433	0.059	0.062	0.487	0.121	0.063	0.07	0.412	0.102
50043	SilverScreen 2% - White	BSDF File	25	@	SilverScreen 2% - White.xml	0.5	0.15	0.084	0.757	0.471	0.0208	0.030	0.029	0.766	0.785	0.031	0.03	0.789	0.717
50044	SilverScreen 2% - Beige	BSDF File	17	@	SilverScreen 2% - Beige.xml	0.5	0.15	0.093	0.786	0.056	0.0277	0.040	0.038	0.764	0.672	0.041	0.04	0.784	0.634
50045	SilverScreen 2% - Light Gray	BSDF File	17	@	SilverScreen 2% - Light Gray.xml	0.5	0.15	0.084	0.767	0.063	0.0218	0.032	0.031	0.777	0.606	0.032	0.03	0.798	0.565

**Rollease Acmeda**

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
50046	SilverScreen 2% - Black	BSDF File	17	@	SilverScreen 2% - Black.xml	0.5	0.15	0.086	0.76	0.074	0.0211	0.027	0.021	0.786	0.055	0.028	0.02	0.808	0.053
50047	SilverScreen 2% - Dark Gray	BSDF File	17	@	SilverScreen 2% - Dark Gray.xml	0.5	0.15	0.089	0.787	0.059	0.0239	0.031	0.027	0.778	0.085	0.031	0.03	0.797	0.088
50048	SilverScreen 2% - Bronze	BSDF File	17	@	SilverScreen 2% - Bronze.xml	0.5	0.15	0.084	0.782	0.065	0.0293	0.038	0.03	0.779	0.128	0.038	0.03	0.798	0.125
50049	SilverScreen 2% - Steel Gray	BSDF File	17	@	SilverScreen 2% - Steel Gray.xml	0.5	0.15	0.082	0.729	0.065	0.0193	0.027	0.023	0.773	0.294	0.027	0.02	0.793	0.304
50050	SilverScreen 4% - White	BSDF File	17	@	SilverScreen 4% - White.xml	0.5	0.15	0.102	0.776	0.062	0.0356	0.052	0.050	0.738	0.767	0.052	0.05	0.759	0.696
50051	SilverScreen 4% - Beige	BSDF File	17	@	SilverScreen 4% - Beige.xml	0.5	0.15	0.223	0.767	0.065	0.0450	0.060	0.055	0.638	0.651	0.062	0.06	0.676	0.611
50052	SilverScreen 4% - Light Gray	BSDF File	17	@	SilverScreen 4% - Light Gray.xml	0.5	0.15	0.125	0.808	0.046	0.0393	0.054	0.048	0.714	0.573	0.055	0.05	0.747	0.527
50053	SilverScreen 4% - Bronze	BSDF File	17	@	SilverScreen 4% - Bronze.xml	0.5	0.15	0.107	0.772	0.07	0.0336	0.042	0.038	0.716	0.126	0.042	0.04	0.749	0.12
50054	SilverScreen 4% - Dark Gray	BSDF File	17	@	SilverScreen 4% - Dark Gray.xml	0.5	0.15	0.097	0.76	0.072	0.0361	0.045	0.039	0.734	0.082	0.046	0.04	0.760	0.088
50055	SilverScreen 4% - Black	BSDF File	17	@	SilverScreen 4% - Black.xml	0.5	0.15	0.119	0.801	0.047	0.0441	0.054	0.049	0.702	0.046	0.054	0.05	0.734	0.044
50056	SilverScreen 4% - Chocolate Brown	BSDF File	17	@	SilverScreen 4% - Chocolate Brown.xml	0.5	0.15	0.119	0.81	0.038	0.0411	0.051	0.044	0.723	0.055	0.051	0.04	0.752	0.055
50057	SilverScreen 4% - Misty Gray	BSDF File	17	@	SilverScreen 4% - Misty Gray.xml	0.5	0.15	0.119	0.778	0.05	0.0379	0.052	0.047	0.733	0.376	0.053	0.05	0.760	0.357

**Rollese Acmeda**

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
50058	SilverScreen 4% - Steel Gray	BSDF File	17	@	SilverScreen 4% - Steel Gray.xml	0.5	0.15	0.101	0.788	0.042	0.0396	0.051	0.044	0.737	0.299	0.052	0.05	0.758	0.306
50059	SilverScreen 4% - Dark Beige	BSDF File	17	@	SilverScreen 4% - Dark Beige.xml	0.5	0.15	0.121	0.766	0.063	0.0397	0.054	0.053	0.718	0.555	0.056	0.05	0.747	0.535
50060	OmniaScreen 3% - White-White	BSDF File	17	@	OmniaScreen 3% - White-White.xml	0.6	0.15	0.149	0.776	0.059	0.0293	0.046	0.043	0.729	0.801	0.048	0.05	0.752	0.716
50061	OmniaScreen 3% - White-Beige	BSDF File	17	@	OmniaScreen 3% - White-Beige.xml	0.6	0.15	0.14	0.81	0.051	0.0433	0.060	0.056	0.668	0.654	0.063	0.06	0.699	0.602
50062	OmniaScreen 3% - White-Gray	BSDF File	17	@	OmniaScreen 3% - White-Gray.xml	0.6	0.15	0.134	0.78	0.056	0.0303	0.042	0.035	0.802	0.524	0.042	0.04	0.812	0.476
50063	OmniaScreen 3% - Charcoal-Charcoal	BSDF File	17	@	OmniaScreen 3% - Charcoal-Charcoal.xml	0.6	0.15	0.127	0.768	0.039	0.0320	0.039	0.033	0.686	0.039	0.04	0.03	0.715	0.038
50064	OmniaScreen 3% - Charcoal-Bronze	BSDF File	17	@	OmniaScreen 3% - Charcoal-Bronze.xml	0.6	0.15	0.129	0.727	0.083	0.0307	0.039	0.035	0.746	0.066	0.039	0.03	0.773	0.072
50065	OmniaScreen 3% - Charcoal-Dark Gray	BSDF File	17	@	OmniaScreen 3% - Charcoal-Dark Gray.xml	0.6	0.15	0.115	0.804	0.055	0.0395	0.049	0.045	0.689	0.085	0.049	0.05	0.710	0.085
50066	EnviroScreen 2% - Light Gray	BSDF File	17	@	EnviroScreen 2% - Light Gray.xml	0.5	0.15	0.212	0.759	0.047	0.0116	0.033	0.04	0.714	0.622	0.035	0.04	0.733	0.601
50067	EnviroScreen 2% - Beige	BSDF File	17	@	EnviroScreen 2% - Beige.xml	0.5	0.15	0.203	0.772	0.059	0.0139	0.032	0.041	0.717	0.526	0.035	0.04	0.736	0.555
50068	EnviroScreen 2% - Tan	BSDF File	17	@	EnviroScreen 2% - Tan.xml	0.5	0.15	0.218	0.775	0.057	0.0128	0.029	0.038	0.734	0.442	0.034	0.04	0.753	0.535
50069	EnviroScreen 2% - Black	BSDF File	17	@	EnviroScreen 2% - Black.xml	0.5	0.15	0.256	0.759	0.054	0.0133	0.016	0.015	0.649	0.033	0.034	0.04	0.673	0.347

**Rollese Acmeda**

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
50070	EnviroScreen 2% - Steel Gray	BSDF File	17	@	EnviroScreen 2% - Steel Gray.xml	0.5	0.15	0.254	0.791	0.053	0.0129	0.023	0.027	0.723	0.213	0.032	0.04	0.742	0.433
50071	EnviroScreen 2% - Dark Gray	BSDF File	17	@	EnviroScreen 2% - Dark Gray.xml	0.5	0.15	0.233	0.764	0.049	0.0123	0.017	0.018	0.724	0.072	0.028	0.03	0.745	0.367
50072	Balmoral BO - Pearl	BSDF File	17	@	Balmoral BO - Pearl.xml	0.6	0.15	0.863	0.842	0	2E-05	3E-05	3E-05	0.81	0.802	1E-04	9E-05	0.697	0.728
50073	Balmoral BO - Pyrite	BSDF File	17	@	Balmoral BO - Pyrite.xml	0.6	0.15	0.871	0.828	0	9E-06	3E-05	2E-05	0.819	0.269	9E-05	7E-05	0.721	0.288
50074	Balmoral BO - Dove	BSDF File	17	@	Balmoral BO - Dove.xml	0.6	0.15	0.875	0.823	0	3E-05	4E-05	3E-05	0.811	0.401	1E-04	8E-05	0.716	0.432
50075	Balmoral BO - Putty	BSDF File	17	@	Balmoral BO - Putty.xml	0.6	0.15	0.871	0.827	0	3E-05	3E-05	2E-05	0.765	0.652	9E-05	7E-05	0.677	0.618
50076	Balmoral BO - Birch	BSDF File	17	@	Balmoral BO - Birch.xml	0.6	0.15	0.869	0.832	0	1E-05	3E-05	2E-05	0.802	0.652	9E-05	8E-05	0.704	0.622
50077	Balmoral BO - Concrete	BSDF File	17	@	Balmoral BO - Concrete.xml	0.6	0.15	0.873	0.836	0	2E-05	3E-05	8E-06	0.787	0.558	8E-05	8E-05	0.678	0.563
50078	Balmoral BO - White	BSDF File	17	@	Balmoral BO - White.xml	0.6	0.15	0.886	0.774	0	2E-05	3E-05	4E-05	0.835	0.797	7E-05	9E-05	0.716	0.727
50079	Balmoral BO - Bourneville	BSDF File	17	@	Balmoral BO - Bourneville.xml	0.6	0.15	0.86	0.838	0	1E-05	2E-05	2E-05	0.815	0.084	6E-05	6E-05	0.718	0.107
50080	Balmoral BO - Jet	BSDF File	17	@	Balmoral BO - Jet.xml	0.6	0.15	0.871	0.842	0	2E-06	1E-05	2E-05	0.79	0.057	6E-05	6E-05	0.686	0.063
50081	Balmoral Blackout (Steel)	BSDF File	17	@	Balmoral Blackout - Steel.xml	0.6	0.15	0.834	0.887	0	8E-09	0	2E-05	0.862	0.194	7E-05	6E-05	0.746	0.199

**Rollese Acmeda**

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
50082	Balmoral LF - Pearl	BSDF File	17	@	Balmoral LF - Pearl.xml	0.5	0.15	0.724	0.735	0.12	0.0445	0.467	0.470	0.499	0.51	0.461	0.46	0.48	0.491
50083	Balmoral LF - Pyrite	BSDF File	17	@	Balmoral LF - Pyrite.xml	0.5	0.15	0.735	0.745	0.115	0.0318	0.135	0.141	0.156	0.191	0.155	0.16	0.17	0.204
50084	Balmoral LF - Dove	BSDF File	17	@	Balmoral LF - Dove.xml	0.5	0.15	0.74	0.751	0.096	0.039	0.257	0.258	0.304	0.291	0.295	0.3	0.33	0.324
50085	Balmoral LF - Putty	BSDF File	17	@	Balmoral LF - Putty.xml	0.5	0.15	0.704	0.77	0.107	0.0369	0.388	0.387	0.458	0.435	0.397	0.4	0.456	0.436
50086	Balmoral Blackout (Birch)	BSDF File	17	@	Balmoral Light Filtering - Birch.xml	0.6	0.15	0.718	0.718	0.113	0.0256	0.393	0.398	0.445	0.444	0.403	0.41	0.443	0.441
50087	Balmoral LF - Concrete	BSDF File	17	@	Balmoral LF - Concrete.xml	0.5	0.15	0.754	0.726	0.11	0.0345	0.330	0.323	0.388	0.385	0.353	0.35	0.405	0.401
50088	Balmoral LF - White	BSDF File	17	@	Balmoral LF - White.xml	0.5	0.15	0.748	0.74	0.105	0.0266	0.451	0.452	0.509	0.527	0.443	0.44	0.492	0.510
50089	Balmoral LF - Bourneville	BSDF File	17	@	Balmoral LF - Bourneville.xml	0.5	0.15	0.781	0.747	0.084	0.0352	0.073	0.075	0.073	0.060	0.087	0.09	0.085	0.067
50090	Balmoral Blackout (Jet)	BSDF File	17	@	Balmoral Light Filtering - Jet.xml	0.6	0.15	0.736	0.756	0.0934	0.0379	0.060	0.055	0.043	0.048	0.065	0.06	0.045	0.053
50091	Balmoral LF - Steel	BSDF File	17	@	Balmoral LF - Steel.xml	0.5	0.15	0.743	0.725	0.12	0.0454	0.126	0.122	0.150	0.123	0.139	0.14	0.178	0.129
50092	Mesa - Dove White	BSDF File	17	@	Mesa - Dove White.xml	0.6	0.15	0.795	0.824	0	7E-06	4E-05	4E-05	0.832	0.835	9E-05	0.0001	0.723	0.765
50093	Mesa - White	BSDF File	17	@	Mesa - White.xml	0.6	0.15	0.867	0.878	0	1E-05	4E-05	5E-05	0.846	0.871	0.0001	0.0001	0.749	0.789

**Rollease Acmeda**

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
50094	Mesa - Pearl	BSDF File	17	@	Mesa - Pearl.xml	0.6	0.15	0.874	0.88	0	2E-05	4E-05	2E-05	0.840	0.766	9E-05	0.0001	0.727	0.72
50095	Mesa - Latte	BSDF File	17	@	Mesa - Latte.xml	0.6	0.15	0.864	0.877	0	4E-05	7E-05	2E-05	0.332	0.838	0.0001	7E-05	0.341	0.739
50096	Mesa - Seal	BSDF File	17	@	Mesa - Seal.xml	0.6	0.15	0.883	0.893	0	2E-05	4E-05	3E-05	0.784	0.214	8E-05	9E-05	0.687	0.195
50097	Mesa - Cocoa	BSDF File	17	@	Mesa - Cocoa.xml	0.6	0.15	0.871	0.865	0	2E-05	6E-05	5E-05	0.823	0.062	0.0001	8E-05	0.724	0.062
50098	Mesa - Slate	BSDF File	17	@	Mesa - Slate.xml	0.6	0.15	0.84	0.875	0	1E-05	5E-05	2E-05	0.863	0.140	1E-04	8E-05	0.764	0.122
50099	Mesa Blackout (Black)	BSDF File	17	@	Mesa Blackout - Black.xml	0.6	0.15	0.842	0.874	0	4E-06	1E-05	1E-05	0.849	0.038	7E-05	6E-05	0.747	0.036
50100	Tempe - Polar	BSDF File	17	@	Tempe - Polar.xml	0.4	0.15	0.877	0.842	0	5E-05	8E-05	4E-05	0.765	0.809	0.0002	0.0002	0.647	0.687
50101	Tempe - Linen	BSDF File	17	@	Tempe - Linen.xml	0.4	0.15	0.875	0.878	0	1E-05	4E-05	6E-05	0.778	0.772	0.001	0.001	0.661	0.648
50102	Tempe - Almond	BSDF File	17	@	Tempe - Almond.xml	0.4	0.15	0.875	0.856	0	6E-06	3E-05	6E-05	0.764	0.716	0.0005	0.0005	0.663	0.631
50103	Tempe - Straw	BSDF File	17	@	Tempe - Straw.xml	0.4	0.15	0.869	0.861	0	1E-05	4E-05	5E-05	0.757	0.698	0.0009	0.0009	0.643	0.603
50104	Tempe - Cloud	BSDF File	17	@	Tempe - Cloud.xml	0.4	0.15	0.876	0.852	0	9E-06	4E-05	5E-05	0.774	0.57	0.0009	0.0009	0.651	0.489
50105	Tempe - Wheat	BSDF File	17	@	Tempe - Wheat.xml	0.4	0.15	0.878	0.875	0	2E-05	5E-05	4E-05	0.772	0.488	0.001	0.001	0.649	0.446

**Rollease Acmeda**

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
50106	Tempe - Desert	BSDF File	17	@	Tempe - Desert.xml	0.4	0.15	0.874	0.863	0	1E-05	4E-05	5E-05	0.774	0.388	0.0007	0.0007	0.65	0.346
50107	Tempe - Espresso	BSDF File	17	@	Tempe - Espresso.xml	0.4	0.15	0.869	0.893	0	3E-05	5E-05	5E-05	0.757	0.084	0.0001	1E-04	0.637	0.08
50108	X-Weave - Sand	BSDF File	17	@	X-Weave - Sand.xml	0.8	0.15	0.765	0.765	0.11	0.0722	0.169	0.169	0.541	0.541	0.231	0.23	0.497	0.497
50109	X-Weave - Stone Gray	BSDF File	17	@	X-Weave - Stone Gray.xml	0.8	0.15	0.791	0.791	0.081	0.0695	0.083	0.083	0.294	0.294	0.11	0.11	0.282	0.282
50110	X-Weave - Slate	BSDF File	17	@	X-Weave - Slate.xml	0.8	0.15	0.755	0.755	0.129	0.0705	0.075	0.075	0.081	0.081	0.077	0.08	0.075	0.075
50111	X-Weave - Mohogany	BSDF File	17	@	X-Weave - Mohogany.xml	0.8	0.15	0.75	0.75	0.142	0.0825	0.088	0.088	0.057	0.057	0.091	0.09	0.057	0.057
50112	X-Weave - Graphite	BSDF File	17	@	X-Weave - Graphite.xml	0.8	0.15	0.761	0.761	0.125	0.0721	0.128	0.128	0.122	0.122	0.128	0.13	0.114	0.114
50113	X-Weave - Onyx	BSDF File	17	@	X-Weave - Onyx.xml	0.8	0.15	0.761	0.761	0.127	0.0834	0.088	0.088	0.028	0.028	0.088	0.09	0.026	0.026
50114	3000 Net Privacy - White-White	BSDF File	17	@	3000 Net Privacy - White-White.xml	0.7	0.15	0.768	0.768	0.096	0.0026	0.113	0.113	0.834	0.834	0.164	0.16	0.733	0.733
50115	3000 Net Privacy - White-Beige	BSDF File	17	@	3000 Net Privacy - White-Beige.xml	0.7	0.15	0.707	0.707	0.154	0.0014	0.039	0.039	0.601	0.601	0.078	0.08	0.539	0.539
50116	3000 Net Privacy - White-Gray	BSDF File	17	@	3000 Net Privacy - White-Gray.xml	0.7	0.15	0.754	0.754	0.119	0.0006	0.098	0.098	0.731	0.731	0.155	0.16	0.654	0.654
50117	3000 Net Privacy - Gray-Gray	BSDF File	17	@	3000 Net Privacy - Gray-Gray.xml	0.7	0.15	0.762	0.762	0.113	0.0003	0.011	0.011	0.326	0.326	0.044	0.04	0.318	0.318

**Rollese Acmeda**

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
50118	3000 Net Privacy - Charcoal-Gray	BSDF File	17	@	3000 Net Privacy - Charcoal-Gray.xml	0.7	0.15	0.776	0.776	0.102	2E-05	0.0003	0.0003	0.12	0.12	0.002	0.002	0.108	0.108
50119	3000 Net Privacy - Charcoal-Bronze	BSDF File	17	@	3000 Net Privacy - Charcoal-Bronze.xml	0.7	0.15	0.801	0.801	0.055	8E-05	0.0001	0.0001	0.052	0.052	0.001	0.001	0.055	0.055
50120	3000 Net Privacy - Charcoal-Charcoal	BSDF File	17	@	3000 Net Privacy - Charcoal-Charcoal.xml	0.7	0.15	0.831	0.831	0.036	0.0014	0.002	0.002	0.034	0.034	0.002	0.002	0.033	0.033

**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	#															
24501	White Venetian Blind Closed (Shanghai King Shine)	Venetian	7	#															
24502	White Venetian Blind 45 (Shanghai King Shine)	Venetian	7	#															

**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	0.14	0.88	0.87	0.0002	0	0	0	0.826	0.826	7E-05	3E-05	0.759	0.673
1501	Urbanshade White 2685	BSDF File	10		Shaw-Urbanshade White 2685-oz34.xml	1	0.14	0.813	0.813	0.0728	0	0	0	0.850	0.850	0	0	0.798	0.739

**Shucheng Energy Saving Techn**

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
48000	SCES Venetian Blind White - Open	Venetian	16	#															
48001	SCES Venetian Blind White - 45	Venetian	16	#															
48002	SCES Venetian Blind White - Closed	Venetian	16	#															

**Springs Window 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	35	@	2014-SC5.XML	0.5	0.09	0.761	0.761	7E-05	0	0.0006	0.0006	0.605	0.721	0.001	0.001	0.662	0.720
21001	Solitude Coffee 1707	BSDF File	35	@	2014-SC6.XML	0.5	0.09	0.712	0.712	3E-05	0	0.0001	0.0001	0.214	0.688	0.0003	0.0003	0.441	0.710
21002	Zest Spruce 2203	BSDF File	35	@	2014-SC7.XML	0.5	0.09	0.699	0.699	0.0973	0.0093	0.389	0.459	0.345	0.544	0.429	0.46	0.432	0.536
21003	Iron Gate 2441	BSDF File	35	@	2014-SC8.XML	0.5	0.09	0.715	0.715	0.0875	0.0121	0.122	0.465	0.082	0.553	0.282	0.47	0.303	0.547
21004	Daydream Camel	BSDF File	35	@	2014-SC9.XML	0.5	0.09	0.717	0.717	0.1269	0.0363	0.438	0.605	0.241	0.391	0.467	0.61	0.257	0.386
21005	Ferrari FT381	BSDF File	35	@	2014-SC10.XML	0.5	0.09	0.507	0.623	0.2946	0.2382	0.253	0.254	0.412	0.428	0.258	0.26	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	#															
27001	Sunset White Venetian Blind Closed	Venetian	10	#															

**Sunset Windows and Doors LL**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>	
27002	Sunset White Venetian Blind 45	Venetian	10	#																

**ThermeShade**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
18000	ThermeShade TS700	BSDF File	30	@	thermeshade700.xml	0.2	160	0.587	0.568	0.34	0.3404	0.340	0.340	0.571	0.467	0.341	0.34	0.480	0.549

**Trimlite**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>	
25000	White Venetian Blind Open (Trimlite)	Venetian	7	#																
25001	White Venetian Blind Closed (Trimlite)	Venetian	7	#																
25002	White Venetian Blind 45 (Trimlite)	Venetian	7	#																

**Trinity Glass International**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
54100	Switch PDLC, open/clear	Direct-Diffuse	32	#		7.9	0.74	0.84	0.84	0	0	0.789	0.79	0.119	0.119	0.641	0.64	0.085	0.085
54101	Switch PDLC, closed/diffuse	Direct-Diffuse	32	#		7.9	0.74	0.84	0.84	0	0	0.711	0.713	0.152	0.152	0.581	0.58	0.101	0.101

**Twitchell**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
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**Twitchell**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
19000	ShadeView, Light Grey	BSDF File	31		2011-SA19.XML	1	0.15	0.768	0.768	0.144	0.1598	0.272	0.272	0.303	0.303	0.288	0.29	0.286	0.286
19001	Sunsure, Royal Blue	BSDF File	31		2011-SA20.XML	1	0.15	0.821	0.821	0.0732	0.0766	0.087	0.087	0.109	0.109	0.201	0.20	0.303	0.303
19002	Textilene,awning White	BSDF File	31		2011-SA18.XML	1	0.15	0.829	0.829	0.0734	0.0686	0.132	0.132	0.819	0.819	0.176	0.18	0.73	0.73
19003	Textilene 80, Black	BSDF File	31		2011-SA22.XML	1	0.15	0.645	0.645	0.2829	0.2798	0.290	0.290	0.029	0.029	0.289	0.29	0.028	0.028
19004	Textilene 90, Black	BSDF File	31		2011-SA21.XML	1	0.15	0.781	0.781	0.1277	0.1339	0.142	0.142	0.035	0.035	0.142	0.14	0.034	0.034

**Uniline**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
4000	Uniview Charcoal	BSDF File	10		Uniline-Uniview Charcoal-oz61.xml	1	0.14	0.861	0.861	0.0749	0.065	0.07	0.07	0.038	0.038	0.07	0.07	0.037	0.037

**Vertilux Australia**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
52001	Omegatex Black T18KKS002	BSDF File	29		Omegatex Black.xml	0.7	0.2	0.78	0.78	0.102	0.0702	0.079	0.079	0.033	0.033	0.079	0.08	0.032	0.032
52002	Omegatex White T18KKS018	BSDF File	29		Omegatex White.xml	0.7	0.2	0.792	0.792	0.083	0.0706	0.118	0.118	0.802	0.802	0.147	0.15	0.738	0.738

**Vitro formerly PPG**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
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**Vitro formerly PPG**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	T <sub>ir</sub>	Perm	T <sub>visF</sub>	T <sub>visB</sub>	R <sub>visF</sub>	R <sub>visB</sub>	T <sub>solF</sub>	T <sub>solB</sub>	R <sub>solF</sub>	R <sub>solB</sub>
55000	PAVIA acid etch (back) on Clear 3mm	Direct-Diffuse	33	#		3	1	0.84	0.886	0	0	0.766	0.892	0.158	0.077	0.705	0.82	0.123	0.067
55001	PAVIA acid etch (back) on Clear 6mm	Direct-Diffuse	33	#		5.9	1	0.84	0.875	0	0	0.721	0.867	0.138	0.07	0.623	0.75	0.103	0.058
55002	PAVIA acid etch (back) on Clear 10mm	Direct-Diffuse	33	#		9.8	1	0.84	0.86	0	0	0.671	0.839	0.132	0.067	0.526	0.65	0.093	0.051
55003	PAVIA acid etch (back) on Clear 12mm	Direct-Diffuse	33	#		13	1	0.84	0.856	0	0	0.65	0.813	0.122	0.064	0.49	0.61	0.084	0.047
55004	PAVIA acid etch (back) on STARPHIRE 6mm	Direct-Diffuse	33	#		5.7	1	0.84	0.876	0	0	0.755	0.905	0.164	0.077	0.742	0.88	0.147	0.072
55005	PAVIA acid etch (back) on STARPHIRE 10mm	Direct-Diffuse	33	#		9.5	1	0.84	0.861	0	0	0.746	0.901	0.137	0.071	0.728	0.87	0.122	0.067
55006	PAVIA acid etch (back) on STARPHIRE 12mm	Direct-Diffuse	33	#		12	1	0.84	0.859	0	0	0.704	0.892	0.154	0.071	0.68	0.85	0.136	0.065
55010	PAVIA acid etch (front) on Clear 3mm	Direct-Diffuse	33	#		3	1	0.886	0.84	0	0	0.892	0.766	0.077	0.158	0.822	0.71	0.067	0.123
55011	PAVIA acid etch (front) on Clear 6mm	Direct-Diffuse	33	#		5.9	1	0.875	0.84	0	0	0.867	0.721	0.07	0.138	0.745	0.62	0.058	0.103
55012	PAVIA acid etch (front) on Clear 10mm	Direct-Diffuse	33	#		9.8	1	0.86	0.84	0	0	0.839	0.671	0.067	0.132	0.653	0.53	0.051	0.093
55013	PAVIA acid etch (front) on Clear 12mm	Direct-Diffuse	33	#		13	1	0.856	0.84	0	0	0.813	0.65	0.064	0.122	0.606	0.49	0.047	0.084
55014	PAVIA acid etch (front) on STARPHIRE 6mm	Direct-Diffuse	33	#		5.7	1	0.876	0.84	0	0	0.905	0.755	0.077	0.164	0.883	0.74	0.072	0.147

**Vitro formerly PPG**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
55015	PAVIA acid etch (front) on STARPHIRE 10mm	Direct-Diffuse	33	#		9.5	1	0.861	0.84	0	0	0.901	0.746	0.071	0.137	0.87	0.73	0.067	0.122
55016	PAVIA acid etch (front) on STARPHIRE 12mm	Direct-Diffuse	33	#		12	1	0.859	0.84	0	0	0.892	0.704	0.071	0.154	0.851	0.68	0.065	0.136
55020	SPANDRELITE Black (back) 6mm	Direct-Diffuse	33	#		5.8	1	0.84	0.836	0	0	0	0	0.048	0.049	0.001	0.001	0.052	0.063
55021	SPANDRELITE Gray (back) 6mm	Direct-Diffuse	33	#		5.9	1	0.84	0.834	0	0	0	0	0.227	0.242	0.011	0.01	0.185	0.263
55022	SPANDRELITE White (back) 6mm	Direct-Diffuse	33	#		5.8	1	0.84	0.829	0	0	0.09	0.089	0.595	0.767	0.114	0.11	0.408	0.665

**Walker Glass**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
55800	Opaque (1) Clear 6mm	Direct-Diffuse	34	#		5.6	1	0.86	0.84	0	0	0.878	0.839	0.073	0.078	0.744	0.71	0.063	0.065
55801	Opaque (1) STARPHIRE 6mm	Direct-Diffuse	34	#		5.8	1	0.857	0.84	0	0	0.902	0.872	0.075	0.078	0.867	0.84	0.072	0.073
55802	Velour (1) Clear 6mm	Direct-Diffuse	34	#		5.7	1	0.858	0.84	0	0	0.878	0.835	0.074	0.081	0.757	0.73	0.064	0.067
55803	Velour (1) STARPHIRE 6mm	Direct-Diffuse	34	#		5.7	1	0.858	0.84	0	0	0.901	0.867	0.079	0.083	0.879	0.85	0.076	0.078
55804	Satin (1) Clear 6mm	Direct-Diffuse	34	#		5.4	1	0.85	0.84	0	0	0.88	0.879	0.076	0.077	0.759	0.76	0.066	0.067
55805	Satin (1) STARPHIRE 6mm	Direct-Diffuse	34	#		5.6	1	0.85	0.84	0	0	0.907	0.906	0.077	0.079	0.886	0.89	0.075	0.077

**Walker Glass**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
55810	Opaque (2) Clear 6mm	Direct-Diffuse	34	#		5.6	1	0.84	0.86	0	0	0.839	0.878	0.078	0.073	0.713	0.74	0.065	0.063
55811	Opaque (2) STARPHIRE 6mm	Direct-Diffuse	34	#		5.8	1	0.84	0.857	0	0	0.872	0.902	0.078	0.075	0.84	0.87	0.073	0.072
55812	Velour (2) Clear 6mm	Direct-Diffuse	34	#		5.7	1	0.84	0.858	0	0	0.835	0.878	0.081	0.074	0.725	0.76	0.067	0.064
55813	Velour (2) STARPHIRE 6mm	Direct-Diffuse	34	#		5.7	1	0.84	0.858	0	0	0.867	0.901	0.083	0.079	0.851	0.88	0.078	0.076
55814	Satin (2) Clear 6mm	Direct-Diffuse	34	#		5.4	1	0.84	0.85	0	0	0.879	0.88	0.077	0.076	0.759	0.76	0.067	0.066
55815	Satin (2) STARPHIRE 6mm	Direct-Diffuse	34	#		5.6	1	0.84	0.85	0	0	0.906	0.907	0.079	0.077	0.886	0.89	0.077	0.075

**WinBuild**

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	$\epsilon_f$	$\epsilon_b$	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
26000	Golden low-E fabric WBI1W	BSDF File	10	@	WBI1W.xml	0.8	0.12	0.155	0.155	4E-05	0.0086	0.012	0.012	0.414	0.414	0.012	0.01	0.431	0.431
26001	Golden low-E fabric WBI1W - 5% openness	BSDF File	10	@	WBI1W_5.xml	0.8	0.12	0.147	0.147	0.0500	0.0586	0.062	0.062	0.394	0.394	0.062	0.06	0.409	0.409
26002	Golden low-E fabric WBI1W - 10% openness	BSDF File	10	@	WBI1W_10.xml	0.8	0.12	0.139	0.139	0.1000	0.1086	0.112	0.112	0.373	0.373	0.112	0.11	0.388	0.388
26003	Golden low-E fabric WBI2W	BSDF File	10	@	WBI2W.xml	0.8	0.12	0.155	0.155	4E-05	0.0092	0.012	0.012	0.442	0.442	0.012	0.01	0.461	0.461
26004	Golden low-E fabric WBI3W	BSDF File	10	@	WBI3W.xml	0.8	0.12	0.179	0.179	0.2217	0.1446	0.171	0.171	0.296	0.296	0.174	0.17	0.315	0.315