Complex Glazing Database: Version 9.0

Windows and Envelope Materials Group, Lawrence Berkeley National Laboratory; https://windows.lbl.gov/software/CGDB/index.html

Notes for 6.1:
Several products that were released in 6.0 have been re-released in 6.1 due to lack of data for solar transmittance and reflectance in the 6.0 XML files.
ID # 6011 was referencing the wrong XML file (2011-SA11.xml) but has now been changed to reference the correct XML file (2011-SA6.XML)
ID # 6009 was referencing the wrong XML file (2011-SA9.xml) but has now been changed to reference the correct XML file (2011-SA8.XML)

Notes for 8.0:
All ODL products have been updated for this version.

Notes for 9.0:
Some Intigral, ODL, Phifer, Shanghai King and Trimlite products had incorrect version numbers in previous databases and release notes. That has been corrected in this version of the release notes and the database.

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

In WINDOW 7.5, the program automatically calculates the openness factor for Venetian blind (horizontal), Venetian blind (vertical) and Perforated Screens. The products in the CGDB for WINDOW 7.4 have been updated with those calculated values from WINDOW 7.5. In addition, the openness factor for Type = "Shade with XML data" is defined in the XML file in the tag called "Effective Openness Fraction". If that value is not defined, it is set to the TIR value from each of the XML files.

Alkenz

ID	Name	Type	DB Ver #	XML Filename or Shade Material ID: Name	t (mm)	k (W/m-k)	εf	εb	Tir	O	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
7025	Sunshadow - 3000 CA 3 CA09 Charcoal/Charcoal	BSDF File	9	SE56.xml	0.00	0.12	0.8493	0.8493	0.0743	0.051	0.054	0.054	0.042	0.042	0.054	0.054	0.042	0.042
7026	Sunshadow - 3000 NET 1 N901 Charcoal/Charcoal	BSDF File	9	SE57.xml	0.00	0.12	0.8657	0.8657	0.0577	0	9.66E-	9.66E-	0.044	0.044	0.000	0.000	0.044	0.044
7027	Sunshadow - 3000 NET 10 N901 Charcoal/Charcoal	BSDF File	9	SE58.xml	0.00	0.12	0.8471	0.8471	0.0816	0.095	0.100	0.100	0.042	0.042	0.100	0.100	0.042	0.042
7028	Sunshadow - 3000 HT 5 HT09 White/Charcoal	BSDF File	9	SE59.xml	0.00	0.12	0.8289	0.8302	0.0908	0.074	0.112	0.099	0.162	0.500	0.114	0.101	0.155	0.480
7029	Sunshadow - VIEW R 15 R900 Charcoal/Charcoal	BSDF File	9	SE60.xml	0.00	0.12	0.7341	0.7341	0.1912	0.151	0.156	0.156	0.035	0.035	0.156	0.156	0.035	0.035

Generic

ID	Name	Type	DB Ver #	XML Filename or Shade Material ID: Name	t (mm)	k (W/m-k)	εf	εb	Tir	O	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
100	Roller shutter - Antique White 2%	Perforated Screen	9	31013: rs_AntiqueWhite.txt						0.020								
101	Roller shutter - Bronze White 2%	Perforated Screen	9	31014: rs_Bronze.txt						0.020								
102	Roller shutter - Silver White 2%	Perforated Screen	9	31015: rs_Silver.txt						0.020								
103	Roller shutter - True White 2%	Perforated Screen	9	31016: rs_TrueWhite.txt						0.020								

Intigral

ID	Name	Type	DB Ver #	XML Filename or Shade Material ID: Name	t (mm)	k (W/m-k)	εf	εb	Tir	O	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
24006	Tan Venetian Blind Open (Intigral)	Venetian	9	32002: intigral_tan.txt						0.979								
24007	Tan Venetian Blind Closed (Intigral)	Venetian	9	32002: intigral_tan.txt						0.603								
24008	Tan Venetian Blind 45 (Intigral)	Venetian	9	32002: intigral_tan.txt						0.971								

WinBuild

ID	Name	Type	DB Ver #	XML Filename or Shade Material ID: Name	t (mm)	k (W/m-k)	εf	εb	Tir	O	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
26000	Golden low-E fabric WBI1W	BSDF File	9	WBI1W.xml	0.8	0.12	0.155	0.155	4.27E-0	0.009	0.012	0.012	0.414	0.414	0.012	0.012	0.430	0.430
26001	Golden low-E fabric WBI1W - 5% openness	BSDF File	9	WBI1W_5.xml	0.8	0.12	0.1472	0.1472	0.0500	0.059	0.062	0.062	0.393	0.393	0.062	0.062	0.409	0.409
26002	Golden low-E fabric WBI1W - 10% openness	BSDF File	9	WBI1W_10.xml	0.8	0.12	0.1394	0.1394	0.1000	0.109	0.112	0.112	0.372	0.372	0.112	0.112	0.387	0.387
26003	Golden low-E fabric WBI2W	BSDF File	9	WBI2W.xml	0.8	0.12	0.155	0.155	4.27E-0	0.009	0.011	0.011	0.442	0.442	0.012	0.012	0.461	0.461
26004	Golden low-E fabric WBI3W	BSDF File	9	WBI3W.xml	0.8	0.12	0.1785	0.1785	0.2217	0.145	0.171	0.171	0.295	0.295	0.174	0.174	0.314	0.314