

# Spectral data peer review document for CGDB v39.0

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## 1 Introduction

This document contains table summary and graphs of spectral data files submitted for publication in CGDB v39.0. Directions for submitting data to the CGDB is found at our LBNL web site.

Each table has the manufacturer's name at the top, and an x/y indicator which page x out that manufacturer's y total pages is the current.

After each table follows the graphs for that manufacturer's submissions

## 2 Description of the table columns

**Filename** Filename of the submitted spectral properties

**Product name** Product name listed in the file

**Id** CGDB ID number

**Type** Product type e.g. fabric.

**Thick** Material thickness in mm.

**Flr** **Y** if the product has been modified to remove measurement error due to the spectrophotometer not handling fluorescence.

**Tfsol** Solar integrated direct-hemispherical transmittance for light incident on the front/exterior of the material

**Tbsol** Solar integrated direct-hemispherical transmittance for light incident on the back/interior of the material

**Rfsol** Solar integrated direct-hemispherical reflectance for light incident on the front/exterior of the product

**R<sub>bsol</sub>** Solar integrated direct-hemispherical reflectance for light incident on the back/interior of the material

**T<sub>fvis</sub>** Visible integrated direct-hemispherical transmittance for light incident on the front/exterior of the material

**T<sub>bvis</sub>** Visible integrated direct-hemispherical transmittance for light incident on the back/interior of the material

**R<sub>fvis</sub>** Visible integrated direct-hemispherical reflectance for light incident on the front/exterior of the product

**R<sub>bvis</sub>** Visible integrated direct-hemispherical reflectance for light incident on the back/interior of the material

**E<sub>f</sub>** Thermal emissivity of the front of the material

**E<sub>b</sub>** Thermal emissivity of the back of the material

**TIR** Thermal IR transmittance

To get the specular and diffuse components of the transmittance and reflectance you have to look at the graphs, where integrated numbers are displayed in the legend.

### 3 Table: Changshu Zhongxin Building Material (1/1)

Filename	Product name	ID	Type	Thick	Flr	Tfsol	Tbsol	Rfsol	Rbsol	Tfvis	Tbvis	Rfvis	Rbvis	Ef	Eb	TIR
ZX white blinds.txt	Painted aluminum blinds-white slats	43800		0.150		0.000	0.000	0.675	0.677	0.000	0.000	0.735	0.739	0.793	0.793	0.000

ZX white blinds.txt

