

OKAWOOD Insulating Solar Control Glass with Natural Timber Grille Specification

Part 1. General

1.01 Summary:

1.01.1 OKAWOOD insulating solar control glass is provided by OKALUX North America, LLC.

1.02 Submittals:

1.02.1 Product Data: Manufacturer's catalogs and technical literature showing Performance properties and recommended installation procedures.

1.02.2 Submit minimum ____ 8" x 11" samples of OKAWOOD insulating solar control glass as required.

1.03 Delivery, Storage, and Handling:

1.03.1 Deliver OKAWOOD insulating solar control glass in manufacturer's original packaging.

1.04. Warranty

1.04.1 Provide a 10-year warranty to include the provision of replacement insulated glass units which exhibit moisture or other substances on either of the inner glass surfaces caused by a failure of the hermetic seal that is not attributed to glass breakage, improper installation or cleaning and maintenance contrary to the manufacturer's written instructions.

Part 2. Product

Manufacturer:

OKALUX GmbH
Am Jöspershecklein 1
97828 Marktheidenfeld
Germany

Distributor:

OKALUX North America, LLC
180 S. Broadway, Suite 408
White Plains, NY 10605
Tel: 914 202-0284
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2.01 Materials:

2.02.1 Description of Product

OKAWOOD insulating solar control glass with natural wood interlayer

2.02.2 OKAWOOD insulating solar control glass make up:

Outer pane: ____" (____ mm) tempered or heat strengthened laminated float glass
with Interpane _____ low e coating on surface #2

Cavity: 3/4" (18mm) overall with sawed, unfinished Obeche or White Seraya wood types. All wood available with FSC certification. Specify:

Air filled cavity with .33 btu/hr/F U value
Argon filled cavity with .28 btu /hr/F U value or
Krypton gas filled cavity with .23 btu/hr/F U value

Inner pane: ___" (___mm) tempered or heat strengthened laminated float glass

Sealant: Dual sealed units:
Primary sealant: Polyisobutylene
Secondary sealant: Polysulfide (Capped Systems for framed glazing)
Silicone (Un-capped systems for structural glazing)

Calculations: Glass make-up and thickness to be confirmed by glazing contractor and façade engineer to meet project load and local code requirements.

Size: OKAWOOD insulating solar control glass can be supplied in a standard maximum width of 66 7/8" (1700mm) and a standard maximum height of 137". Wider or taller units are possible with an internal horizontal or vertical butt joint. A small gap or deviation in the alignment of the adjoining bars may be visible.

2.02.3 Performance Values

OKAWOOD insulating solar control glass shall perform optically and thermally based upon the following:

<u>Angle of Incidence (degrees)</u>	<u>0</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>60</u>
SHGC	.28	-	.17	.13	.11
Direct Light Transmission	.30	.23	.10	.04	.02

Part 3. Execution

3.01

3.01.1 **Examination:** The glazing contractor shall examine the framing and glazing channel surfaces and backing as well as the conditions under which the glazing is to be performed. The glazing contractor shall also inspect each OKAWOOD unit prior to installation. Any units deemed to be damaged or of questionable quality should be brought to the attention of the supplier, OKALUX North America, LLC, immediately and prior to installation.

3.01.2 **Glazing:** OKAWOOD should be installed in accordance with the general rules applicable for insulating glass. The glazing plane support system must be free of any internal obstructions and structurally adequate for the application.

3.01.3 **Installation:** As with any insulated glass, the dimensions of OKAWOOD units used are limited by the type, thickness of glass and project load requirements.

Part 4. **Warranty**

The warranty extends 10 years from date of delivery under the conditions of normal usage and approved installation. OKALUX's instructions for ordering and installation must be followed.

OKAWOOD insulated solar control glass will not fail with respect to the perimeter sealing. The warranty includes thermal breakage due to climatic influence if the glass is installed in accordance with approved installation drawings. OKALUX's liability under this warranty is limited solely to the delivery of a replacement unit to the site of installation. Written notice of warranty claim must be provided to the supplier within 90 days of noticing unit failure. OKALUX reserves the right to inspect the unit to verify justification of warranty claim. Replacement units are warranted for the remainder of the original warranty period. The above warranty does not apply to or cover materials that have not been paid for in full.