

OPTIX® ACRYLIC SHEET

1.0 SUBJECT

Optix® Acrylic Sheet

2.0 DESCRIPTION

2.1 General:

Optix is an extruded acrylic sheet, composed of polymethyl methacrylate. The sheets are available in transparent or translucent form, and in thicknesses from 0.060 inch to 0.236 inch (1.5mm to 6mm), in widths up to 104 inches (2642 mm), and in various lengths. Sheet surfaces are covered with polyethylene film or paper masking, for protection during shipping and handling, that must be removed. The sheet material is an approved plastic with a CC2 classification. The Optix light-transmitting plastic may be used in exterior applications such as exterior wall panels, roof panels and skylights, when installed in accordance with Chapter 26 of the Uniform Building Code™. The sheets comply with the weathering requirements in Section 5.2 of the ICBO ES Acceptance Criteria for Plastic Skylights (AC16), dated April 1997. Reeled sheets (rolled on a spool) are available in thicknesses from 0.118 inch to 0.236 inch (3mm to 6mm), in widths of 39 inches to 104 inches (991 mm to 2642 mm), and in lengths of 250, 350, 400 and 500 feet (76.2, 106.7, 121.9 and 152.4 m). Sheets with a nominal thickness of 0.236 inch (6 mm) may be used as an approved plastic for fabrication of signs, in accordance with Section 212 of the Uniform Sign Code™.

2.2 Identification:

Optix acrylic sheets are identified by a product label indicating the manufacturer's name (Plaskolite, Inc.), the trade name the evaluation report number (ICBO ES ER-5411), and manufacturing designations: colour thickness, size, and plastic classification (CC2).

3.0 EVIDENCE SUBMITTED

Reports of tests in accordance with UBC Standard 26-5, 26-6 and 26-7, and weathering test data in accordance with the ICBO ES Acceptance Criteria for Plastic Skylights (AC16), dated April 1997.

4.0 FINDINGS

That the Optix Acrylic Sheet described in this report complies with the 1997 Uniform Building Code™ and 1997 Uniform Sign Code™, subject to the following conditions:

- 4.1 Installation complies with Chapter 26 of the Uniform Building Code and with the Uniform Sign Code.
- 4.2 Sheets having a 0.236-inch (6 mm) thickness may be used as an approved plastic in accordance with Section 212 of the Uniform Sign Code.
- 4.3 When used in skylights, exterior walls and roof panels, the plastics must be specifically recognised in an evaluation report.

This report is subject to re-examination in two years.

Evaluation reports of ICBO Evaluation Service, Inc., are issued solely to provide information to Class A members of ICBO, utilizing the code upon which the report is based. Evaluation reports are not to be construed as representing aesthetics or any other attributes not specifically addressed nor as an endorsement or recommendation for use of the subject report.

This report is based upon independent tests or other technical data submitted by the applicant. The ICBO Evaluation Service, Inc., technical staff has reviewed the tests results and/or other data, but does not possess test facilities to make an independent verification. There is no warranty by ICBO Evaluation Service, Inc., express or implied, as to any "Finding" or other matter in the report or as to any product covered by the report. This disclaimer includes, but is not limited to, merchantability.