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RESEARCH REPORT: RR 25902

(CSI # 08620)

Expires: March, 1, 2012

Issued Date: March, 1, 2011

Code: 2011 LABC

**GENERAL APPROVAL** – Sunoptics Signature Series Model 800MD Fixed Plastic Glazed Skylights.

**DETAILS**

The Sunoptics Signature Series Prismatic skylight is a fixed unit skylight with dimensions as shown in Table 1. The skylight is glazed with 100 % impact acrylic, Plexiglas Type DR-101, 0.160-in thick manufactured by Arkema, Inc, which has a CC2 classification. The skylight utilizes a 0.055-in thick, 6061-T6 aluminum frame. The frame is mounted to wood curbing with #12 x 1-1/2-in. hex washer head self tapping screws through pre-punched holes in the frame.

**The approval is subject to the following conditions:**

1. Skylight installation must comply with Sections 2405.4 and 2610 of the 2011 Los Angeles City Building Code and with the manufacturer's instructions and this report.
2. The allowable loads shall not exceed 20-psf live load or 20-psf wind uplift.
3. The skylight shall be mounted on a wood curb having a minimum specific gravity of 0.50, a minimum thickness of 1-1/2-in., and sufficient height to mount the plastic glazing not less than 4-inches above the plane of the roof.
3. The skylight unit must be flashed in accordance with the Building Code.
4. The glazing used in the skylight shall be 0.160-in thick 100 % impact acrylic Type DR-101, manufactured by Arkema, inc and approved by ICC-ES report ESR-1653.

RR 25902  
Page 1of 3

Sunoptics Prismatic Skylights, Inc.  
Sunoptics Signature Series Model 800MD Fixed Plastic Glazed Skylight.

5. Each skylight shall be identified by a label noting the manufacturers name and address, RR 25902, plastic classification (CC2), plastic thickness before forming, model designation, and date of manufacture. In addition, a label warning of risk of fall is applied to each skylight.
6. The Sunoptics Signature Series Prismatic skylights Model 800MD included in this approval are listed in Table 1.

TABLE 1

Model Number	Width (in)	Length (in)	Dome Rise (in)	Dome Thickness (in)
2020	27-5/8	27-5/8	5.329	0.160
2040	27-5/8	51-5/8	5.329	0.160
2080	27-5/8	99-5/8	5.329	0.160
3080	39-5/8	99-5/8	8.329	0.160
4040	51-5/8	51.513	11.329	0.160
4060	51-5/8	75-5/8	11.329	0.160
4070	51-5/8	87-5/8	11.329	0.160
4080	51-5/8	100-5/8	11.329	0.160
5050	63-5/8	63-5/8	14.329	0.160
5060	63-5/8	75-5/8	14.329	0.160
5070	63-5/8	87-5/8	14.329	0.160
5080	63-5/8	99-5/8	14.330	0.160

**DISCUSSION**

The report is in compliance with the 2011 Los Angeles City Building Code.

The approval was based on tests in accordance with ICC-ES Acceptance Criteria for Plastic Glazed Skylights (AC16). The plastic material is approved by ICC-ES Evaluation Report ESR-1653.

Sunoptics Prismatic Skylights, Inc.  
Sunoptics Signature Series Model 800MD Fixed Plastic Glazed Skylight.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this approval have been met in the project in which it is to be used.

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