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**DIVISION: 08—DOORS AND WINDOWS**  
**Section: 08840—Plastic Glazing**

**REPORT HOLDER:**

**EASTMAN CHEMICAL COMPANY**  
**100 NORTH EASTMAN ROAD, BUILDING 230**  
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**EVALUATION SUBJECT:**

**KELVX® RESIN, TiGLAZE® ST COPOLYESTER, SPECTAR 14471, TiGLAZE® SV AND SOLAREX® SV COPOLYESTER RESIN EXTRUDED PLASTIC SHEETS**

**ADDITIONAL LISTEE:**

**SPARTECH PLASTICS**  
**120 SOUTH CENTRAL AVENUE, SUITE 1700**  
**CLAYTON, MISSOURI 63105**

**1.0 EVALUATION SCOPE**

**Compliance with the following codes:**

- 2003 *International Building Code*® (IBC)
- 2003 *International Residential Code*® (IRC)
- 1997 *Uniform Building Code*™ (UBC)
- 1997 *Uniform Sign Code*™ (USC)

**Properties evaluated:**

- Approved plastics
- Durability

**2.0 USES**

The plastic sheets described in this report are used, when installed in accordance with this report, as light-transmitting plastics in skylights, and in exterior wall, roof panel and interior sign applications, except signs in covered malls.

**3.0 DESCRIPTION**

**3.1 General:**

KelvX® Resin, TiGLAZE® ST Copolyester, Spectar 14471, TiGLAZE® SV and Solarex® SV Copolyester resins provided by Eastman Chemical Company are extruded to form flat, thermoplastic sheet products. The plastic sheets are available in smooth, matte, prismatic and textured surface finishes. The plastic sheets have an ultraviolet-light protective layer on the exterior side of the sheet, and are covered with polyethylene

masking on one or both sides, for protection during shipping and handling.

**3.2 Materials:**

The plastic sheet material is classified as CC1 approved plastic complying with Section 2606.4 of the IBC, Section 217 of the UBC, and Section 212 of the USC. The plastic sheet material complies as a light-transmitting plastic glazing in accordance with Section 2608 of the IBC, Section R308.6 of the IRC, and Section 2409 of the UBC.

KelvX® Resin, TiGLAZE® ST Copolyester, and Spectar 14471 thermoplastic sheet products are available in clear and translucent form, in nominal thicknesses of 0.080 and 0.236 inch (2.0 and 6.0 mm). TiGLAZE® SV Copolyester and Solarex® SV thermoplastic sheet products are available in clear and translucent form, in nominal thicknesses of 0.080 and 0.118 inch (2.0 and 3.0 mm).

**4.0 INSTALLATION**

The materials shall be installed as set forth in the applicable code and the manufacturer's published installation instructions. If the manufacturer's published instructions differ from this report, this report shall govern.

**5.0 CONDITIONS OF USE**

The KelvX® Resin, TiGLAZE® ST Copolyester, Spectar 14471, Tigelaze® SV and Solarex® SV Copolyester extruded plastic sheets described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1** The plastic sheets shall be manufactured and identified in accordance with this report and the applicable code.
- 5.2** The plastic sheets have not been evaluated for the structural requirements of the applicable code.
- 5.3** Use of the plastic sheets in skylights and in exterior wall and roof panel applications shall be limited to skylights and exterior wall and roof panel products specifically recognized in a current ICC-ES evaluation report.
- 5.4** The plastic sheets may be used in interior sign applications, in accordance with Section 2611 of the IBC, except for signs in covered mall buildings.

**6.0 EVIDENCE SUBMITTED**

- 6.1** Manufacturer's descriptive literature.
- 6.2** Reports of tests in accordance with ASTM Standards D 635 (UBC Standard 26-7), D 1929 (UBC Standard 26-6) and D 2843 (UBC Standard 26-5).
- 6.3** Weathering data in accordance with the ICC-ES Acceptance Criteria for Plastic Skylights (AC16), dated June 2004.
- 6.4** A quality control manual.

## 7.0 IDENTIFICATION

Each plastic sheet product described in this evaluation report shall be identified by a label bearing the manufacturer's name (Spartech Plastics Company), manufacturing plant location,

product name, date of manufacture, plastic sheet thickness, plastic classification (CC1) and evaluation report number (ESR-1407). There is also a separate label, indicating "UV side," on the UV protective layer side of the plastic sheets.