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STRUKTUROC STK 1000, STK1500 FORCE FIVE, STK2000, STK2500 FORCE FIVE, STK5000, AND STK5500 FORCE FIVE STEEL WALL PANELS

CSI Section:
07 42 00 Metal Wall Panel System

1.0 SCOPE OF LISTING

1.1 Compliance with the following Standard:

- ASTM E330-14 - Standard Test Method for Structural performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure difference.

1.2 Properties assessed:

- Structural Performance by Static Air Pressure

2.0 FINDINGS

2.1 General Product Information and Performance: Strukturoc Panels are steel wall panels with a factory applied textured finishes. The panel systems are used in exterior wall assemblies as cladding. See Table 1 of this report for ultimate pressures when tested in accordance with ASTM E330 as defined in Section 1.0 of this report. See Section 4.0 of this report for assembly details. The panels are manufactured in lengths from 14 inches (356 mm) to 30 feet (9.1 m).

2.2 STK1000, STK1500 Force Five, STK2000, STK2500 Force Five, STK5000 and STK5500 Force Five Panels: The wall panels are a tongue and groove system that uses concealed fasteners. The panels are 7/8-inch deep, 16-inch (406 mm) wide coverage, and are manufactured using No. 20 gauge, 0.0356 inch (0.904 mm) uncoated thickness, ASTM A653 SS Grade 37 steel with G90 coating.

3.0 LIMITATIONS

Strukturoc Panels; STK1000, STK1500 Force Five, STK2000, STK2500 Force Five, STK5000 and STK5500 Force Five have the performance as described in this report, when tested to ASTM E330 with the following recognized limitations:

3.1 Strukturoc shall be manufactured, identified, and installed in accordance with this report and the applicable code. In the event of a conflict, the most restrictive governs.

3.2 Strukturoc panel supports and fastening to support designs are outside the scope of this report and are to be designed by a registered design professional and approved by the building official.

3.3 Strukturoc panels recognized in this report are produced by TransAmerican Strukturoc, Inc. in Eagan, Minnesota.

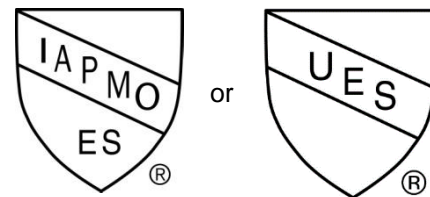
4.0 INSTALLATION AND ASSEMBLY

4.1 General: The manufacturer’s published installation instructions and this listing shall be strictly adhered to. A copy of the instructions and this listing report shall be available at all times on the jobsite during installation.

4.2 STK1000, STK1500 Force Five, STK2000, STK2500 Force Five, STK5000 and STK5500 Force Five Panel Assembly: The evaluated assembly is 6 panels, each 22 foot (6705 mm) long, interlocked for a total of 8-feet (2438 mm) wide. The panel supports are 8 1/2-inch deep by 2 1/2 -inch wide, No. 20 gauge purlins spaced at 84-inch (2133 mm) on center spacing for an equal three span configuration. The panels are fastened to the supports using one ASTM A666 Type 301 stainless concealed steel clip and one #12 x 1 1/4-inch self-drilling screw at each panel and purlin interface.

5.0 IDENTIFICATION

Strukturoc Panels; STK1000, STK1500 Force Five, STK2000, STK2500 Force Five, STK5000 and STK5500 Force Five are identified by a label affixed on product packaging. The label shall include the company name (TransAmerican Strukturoc, Inc), product name, listing report number (UEL-5045), and name of the inspection agency (IAPMO QCC). Either IAPMO UES Mark of Conformity may also be used as shown below:



IAPMO UES UEL-5045

6.0 SUBSTANTIATING DATA

Test Reports from an ISO 17025 accredited laboratory in accordance with ASTM E330, Procedure B.





7.0 STATEMENT OF RECOGNITION

This listing report describes the results of research completed by IAPMO Uniform Evaluation Service on TransAmerican Strukturoc, Inc’s Strukturoc STK1000, STK1500 Force Five, STK2000, STK2500 Force Five, STK5000 and STK5500 Force Five steel wall panels to assess conformance to the standards shown in Section 1.0 of this report and serves as documentation of the product certification. Products are manufactured at the location noted in Section 3.3 of this report under a quality control program with periodic inspection under the supervision of IAPMO UES.

For additional information about this listing report please visit www.uniform-es.org or email us at info@uniform-es.org

TABLE 1-Structural Performance by Static Air Pressure

| Panel System | Panel Length, Span Length and Configuration ¹ | Pressure at Deflection L/180 (psf) | Ultimate Pressure (psf) |
|--|---|------------------------------------|-------------------------|
| STK1000, STK1500 Force Five, STK2000, STK2500 Force Five, STK5000 and STK5500 Force Five | Panel Length: 22 feet Span Length: 7 feet Three Span Continuous | Negative: 22 | Negative: 41 |
| | | Positive: 25 | Positive: 89 |

For S.I.: 1 lbf=4.4 N; 1 inch =25.4 mm; 1 psf = 4.79 mPa

¹ See Section 4.0 of this report for additional detail on assembly.