SHILDAN GROUP
SHILDAN TEXERE, LLC
2047 Briggs Road,
Mount Laurel, New Jersey 08054

FABRIK+ SUNSCREEN

CSI Sections: 10 82 00 Grilles and Screens

1.0 RECOGNITION

The Fabrik+ Sunscreen recognized in this report has been evaluated for use as non-load-bearing exterior cladding and interior wall finish. The structural performance properties, and surface burning characteristics of the screens comply with the intent of the provisions of the following codes and regulations:

- 2024, 2021, and 2018 International Building Code® (IBC)
- 2025 California Building Code (CBC) – attached Supplement
- 2023 Florida Building Code, Building (FBC, Building) – attached Supplement

2.0 LIMITATIONS

Use of the Fabrik+ Sunscreens recognized in this report is subject to the following limitations:

2.1 Installation of the Fabrik+ Sunscreens shall be in accordance with this report, the project details, the manufacturer's installation procedure, and the applicable code. Where conflicts occur, the more restrictive shall govern.

2.2. The maximum allowable wind pressure for the Fabrik+ Sunscreens is provided in Table 1 of this report. The capacities of the supporting walls, framing members, and connections shall be equal to or greater than the allowable wind pressure.

2.3 The system shall be installed by qualified installers approved by Shildan Group, as applicable.

2.4 The Fabrik+ Sunscreen has not been evaluated as an exterior wall covering to meet the requirements of IBC Section 1403.2 and 1404.4.

2.5 The Fabrik+ Sunscreens recognized in this report are produced in Mount Laurel, New Jersey**.**

3.0 PRODUCT USE

3.1 General: The Fabrik+ Sunscreen can be used as an exterior, non-load-bearing cladding or an interior wall finish. Table 1 of this report provides the allowable wind load for the system when used as an exterior wall cladding.

3.2 Design: The supporting walls and connecting elements as detailed in this report shall be designed to resist the loads prescribed by IBC Chapter 16. The allowable transverse loads for the Fabrik+ Sunscreen assembly shall equal or exceed the design loads and shall be detailed in the design documents prepared by a registered design professional in accordance with this report and submitted to the building official for approval.

3.3 Fabrik+ terracotta elements comply with the requirements for Class A in accordance with IBC Section 803.1.2, when tested in accordance with ASTM E84.

3.4 The connection of the Fabrik+ assembly to the supporting structure, shall be designed. The design shall be provided to the building official for approval. The connection to the supporting structure is outside the scope of this report.

3.5 The Fabrik Sunscreen Assembly: The Fabrik+ sunscreen assembly is detailed in Figure 1 of this report. The Fabrik+ Carriers shall be supported by a wind brace at a maximum of 5 feet (1524 mm) on-center vertically. The Fabrik+ Carrier shall be a maximum span of 10 feet (3048 mm) between supports to the supporting structure. Supports shall be designed in accordance with Section 3.2 of this report. The Fabrik+ terracotta elements are attached through the use of a Fabrik+ Connectors which are installed through the groove of the element which attach to the Fabrik+ Carrier.

TABLE 1 – ALLOWABLE TRANSVERSE (WIND) LOAD

Panel Size	Positive (psf)[1]	Negative (psf)[1]	Maximum Deflection at Allowable Transverse Load (inches)
Maximum 10-0" span between	17	18	0.375

[1] **1 psf = 0.04788 kPa**

Table values were determined from transverse load testing in accordance with ASTM E330. The assembly did not account for any opening between the elements as detailed in Figure 1. The assembly tested included 50% of the area tested with no elements installed as detailed in Figure 1. The specifying professional engineer shall account for openings in project specific system design.

The product described in this Uniform Evaluation Service (UES) Report has been evaluated as an alternative material, design or method of construction in order to satisfy and comply with the intent of the provision of the code, as noted in this report, and for at least equivalence to that prescribed in the code in quality, strength, effectiveness, fire resistance, durability and safety, as applicable, in accordance with IBC Section 104.11. This document shall only be reproduced in its entirety.

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3.6 Installation: Installation of the Fabrik+ Sunscreen shall be in accordance with this evaluation report and the manufacturer's installation procedure. A copy of the evaluation report, the manufacturer's installation procedure and drawings, shall be available at the job site for quality control purposes.

4.0 PRODUCT DESCRIPTION

General: The Fabrik+ Sunscreen elements are manufactured from terracotta. The elements are $9^{7}/_{8}$ inches (250 mm) long by $5^{1}/_{8}$ inches (130 mm) tall with a minimum thickness of 1.16 inches (29.5 mm). The elements have no warpage when measured in accordance with ASTM C67. The elements have a water absorption of 2.5 percent when tested and measured in accordance with ASTM C67. The elements conform to the freeze thaw requirements of ASTM C67 after 50 cycles.

Assembly: The carrier is attached to an angle through a flange or angle bracket with rivets. The carriers and horizontal wind braces have a width of 30 mm ($1^{3}/_{16}$-inches) and a thickness of 3 mm ($^{1}/_{8}$-inch). The connectors are manufactured from 2.5-mm diameter ($^{3}/_{32}$-inch) Type 316 stainless steel. The horizontal wind braces, carriers and connectors are manufactured from Type 316 stainless steel. Splices are used to connect consecutive carriers, with the use of rivets and/or nuts, washers and locknuts.

5.0 IDENTIFICATION

An identification label shall be affixed to the product packaging. The label shall include the Shildan Texere, LLC name and trademark, a unit number and screen number, project description, and the evaluation report number (IAPMO UES ER-916). The IAPMO Uniform Evaluation Service Mark of Conformity may also be used as follows:

IAPMO UES ER-916

6.0 SUBSTANTIATING DATA

6.1 Data in accordance with the ICC-ES Acceptance Criteria for Façade and Wall Cladding Systems with Porcelain, Ceramic or Terra Cotta Panels (AC504), Approved August 2023.

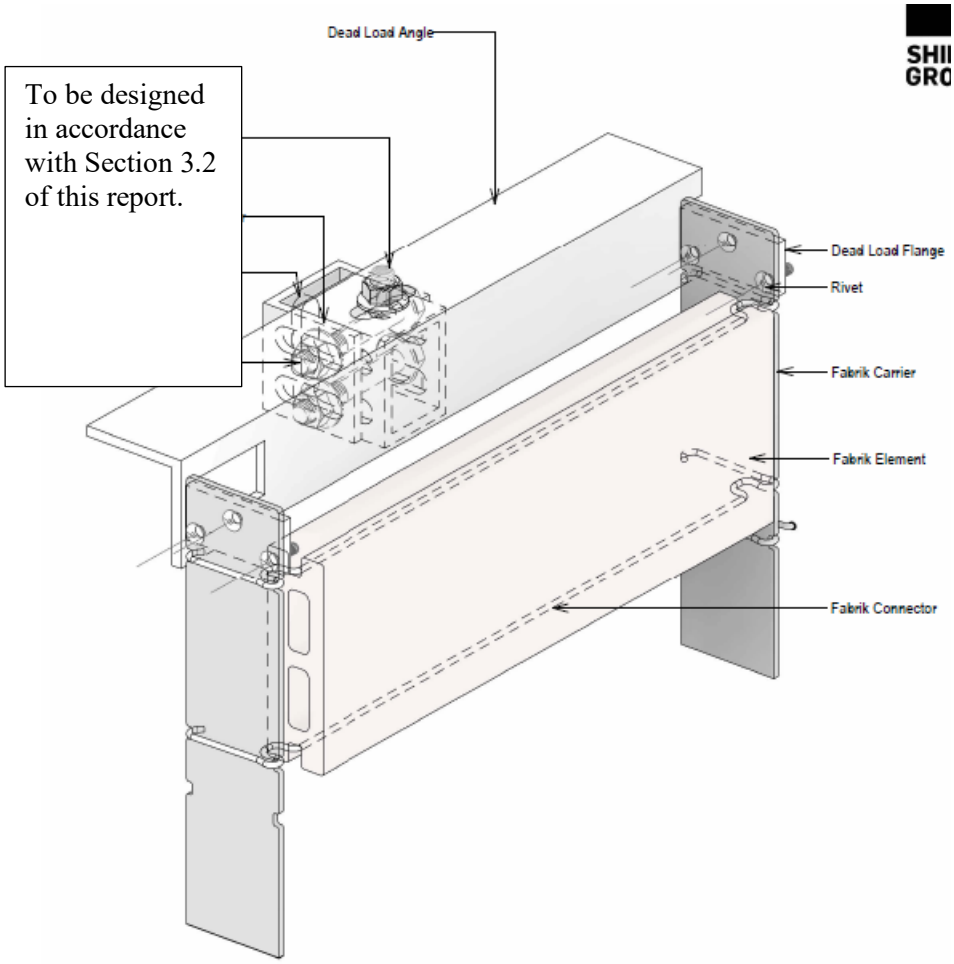
6.2 Reports of Surface Burning Characteristics testing in accordance with ASTM E84.

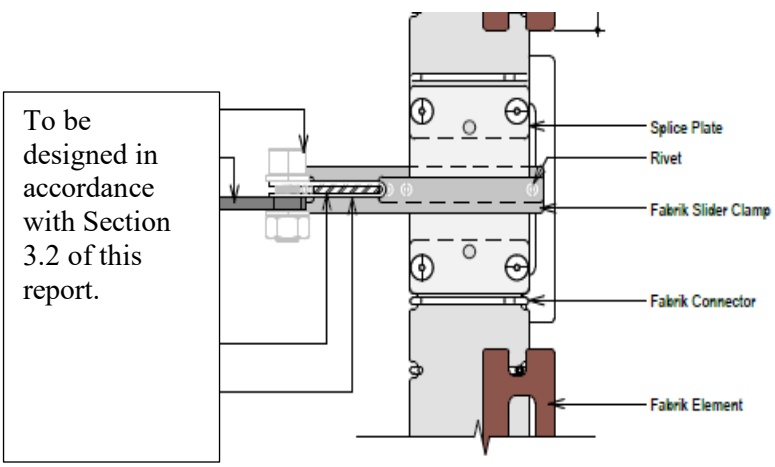
6.3 Test reports are from laboratories in compliance with ISO/IEC 17025.

7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on Shildan Group's Fabrik+ Sunscreen to assess conformance to the codes shown in Section 1.0 of this report and serves as documentation of the product certification. Products are manufactured at locations noted in Section 2.5 of this report under a quality control program with periodic inspection under the surveillance of IAPMO UES.

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





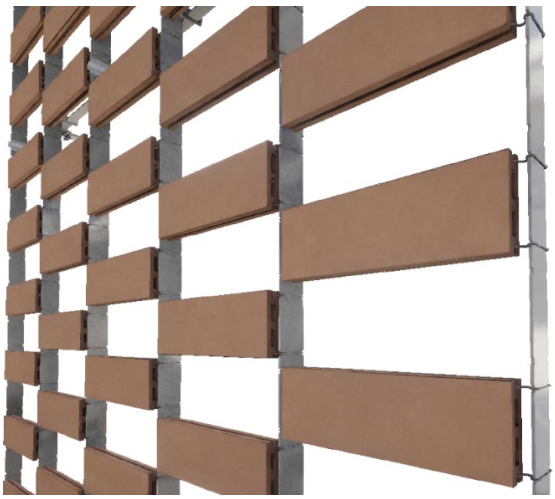


FIGURE 1 -Fabrik+ Assembly

CALIFORNIA SUPPLEMENT

SHILDAN GROUP
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FABRIK+ SUNSCREEN

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1.0 RECOGNITION

The Fabrik+ Sunscreen recognized in this report has been evaluated for use as non-load-bearing exterior cladding and interior wall finish. The structural performance properties and surface burning characteristics of the sunscreen comply with the intent of the provisions of the following codes and regulations:

- 2025 California Building Code (CBC)

2.0 LIMITATIONS

Use of the Fabrik+ Sunscreen, when installed and recognized in this report, is subject to the limitations stated in IAPMO Evaluation Report ER-916 and the following additional limitations:

2.1 The design, installation, limitations, and identification of the Fabrik+ Sunscreen shall be in accordance with the 2024 IBC for use under the 2025 CBC, as noted in IAPMO UES ER-916. The calculations shall be prepared, stamped, and signed by a California registered design professional.

2.2 The systems described in this report shall be used and installed in accordance with IAPMO UES ER-916 and Chapters 8, 14, and 16 of the CBC, as applicable.

2.3 This supplement expires concurrently with IAPMO UES ER-916.

FLORIDA SUPPLEMENT

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1.0 RECOGNITION

The Fabrik+ Sunscreen described in IAPMO UES ER-916 and this supplement has been evaluated for use as non-load-bearing exterior cladding and interior wall finish. The structural performance properties, and surface burning characteristics of the screens comply with the intent of the provisions of the following codes and regulations:

- 2023 Florida Building Code, Building (FBC, Building)

2.0 LIMITATIONS

Use of Fabrik+ Sunscreen recognized in this supplement is subject to the following limitations in addition to the limitations shown in IAPMO UES ER-916:

2.1 The design and installation of Fabrik+ Sunscreen recognized in this supplement shall be in accordance with the 2021 International Building Code as noted in IAPMO UES ER-916.

2.2 For installations in accordance with FBC, use of the Fabrik Sunscreen for compliance with the High-velocity Hurricane Zone (HVHZ) provisions of the FBC-Building has not been evaluated and is outside the scope of this evaluation report.

2.3 For products falling under Section (5)(d) of Florida Rule 61G20-3.008, verification that the product is manufactured under a quality assurance program audited by a quality assurance entity approved by the Florida Building Commission (or the building official when the report holder does not possess an approval by the Commission) is required.

2.4 This supplement expires concurrently with IAPMO UES ER-916.