



TONALITY GMBH
In der Mark 100
Weroth, Germany 56414
(303) 589-4524

TERRASLAT BY TONALITY

CSI Sections: 04 21 00 Clay Unit Masonry

1.0 RECOGNITION

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

- 2024, 2021, and 2018 International Building Code® (IBC)
- 2024, 2021, and 2018 International Residential Code® (IRC)
- 2025 and 2022 California Building Code (CBC) – attached Supplement
- 2025 and 2022 California Residential Code (CRC) – attached Supplement
- 2023 City of Los Angeles Building Code (LABC) – attached Supplement
- 2023 City of Los Angeles Residential Code (LARC) – attached Supplement
- 2023 Florida Building Code, Building (FBC, Building) – attached Supplement
- 2023 Florida Building Code, Residential (FBC, Residential) – attached Supplement

2.0 LIMITATIONS

Use of the TerraSlat by Tonality recognized in this report is subject to the following limitations:

2.1 Installation of the TerraSlat by Tonality 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 TerraSlat by Tonality 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 Where the uncoated aluminum hidden fastening system makes contact with other dissimilar materials, the fasteners shall be separated by a nonporous isolator to prevent corrosion as described in Section M.7 of the 2020 or 2015 ADM1.

2.4 The system shall be installed by qualified installers approved by Tonality as applicable.

2.5 Use of TerraSlat as a soffit is outside the scope of this report.

2.6 The TerraSlat by Tonality recognized in this report are produced by Parasoleil in Weroth, Germany.

3.0 PRODUCT USE

3.1 General: The TerraSlat by Tonality 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 TerraSlat by Tonality when used as an exterior wall cladding in the hidden fastener assembly in Section 3.3 of this report.

3.2 Design: The supporting walls, framing members, and hidden fastener system members detailed in this report shall be designed to resist the loads prescribed by IBC Chapter 16 or IRC Section R301.2, as applicable. The supporting framing and Cladiator Slotted Z framing member, shall be designed to limit deflections to perform within the limits of this report. The allowable transverse loads for the TerraSlat by Tonality 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.

TerraSlat by Tonality terracotta slats comply with the requirements for Class A in accordance with IBC Section 803.1.2, when tested in accordance with ASTM E84.

TerraSlat by Tonality terracotta slats are non-combustible materials in accordance with IBC Section 703.3.1, when tested in accordance with ASTM E136.

The 3-inch-deep Cladiator Slotted Z framing member performance and code compliance shall be detailed in an evaluation report and included in the design of the assembly to be provided to the building official for approval. The attachment of the Cladiator Slotted Z to the framing member shall be included in the design. The evaluation of the Cladiator Slotted Z framing member is outside the scope of this report.



3.3 Hidden Fastening System Assembly: The TerraSlat by Tonality Hidden Fastening System shall be mounted to a minimum No. 16 Gauge steel stud wall with framing spaced a maximum of 16 -inches (406 mm) on-center. The framed wall shall be sheathed with a minimum ⁵/₈-inch-thick (15.9 mm) Type X drywall fastened to the studs using self-drilling drywall screws.

The 3-inch-deep fiber-reinforced polymer Cladiator slotted Z rails are mounted through the sheathing and fastened to the supporting framing. The maximum distance between the slotted Z rails shall be 24 inches (610 mm) on-center.

A Hat Profile is attached to the Cladiator Slotted Z, with a maximum distance between the Hat Profiles of 24.606 inches (625 mm).

Slat Profiles (TYPE C), that are used to attach the TerraSlat by Tonality terracotta panels, are attached to aluminum hat rail.

The TerraSlat by Tonality profiles are hung on each Slat profile. The maximum unsupported length beyond the hooks of the slats shall be 1.875-inches (48 mm). The Hidden Fastening Assembly can be oriented vertically or horizontally to accommodate vertical or horizontal orientation of the TerraSlat by Tonality profiles. TerraSlat by Tonality installed vertically shall have a joint spacer installed between the two profiles.

Fasteners are detailed in Table 2 of this report.

TABLE 1 – ALLOWABLE TRANSVERSE (WIND) LOAD

Installation Method	Positive and Negative (psf)	Maximum Deflection (inches)
TerraSlat by Tonality Hidden Fastening System	51	0.287

3.4 Installation: Installation of the TerraSlat by Tonality 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, shall be available at the job site for quality control purposes.

Exterior wall assemblies shall include a water-resistive barrier, flashing, and a means for draining water that enters the assembly to the exterior, and protection against condensation in accordance with IBC Sections 1403.2 and 1404.4, and IRC Sections R703.2 and R703.4, as applicable.

4.0 PRODUCT DESCRIPTION

4.1 General: The TerraSlat by Tonality slats are manufactured from terra cotta. The slats are 49.1875 inches (1249.36 mm) long by 5.5 inches (139.7 mm) wide with a minimum thickness of 0.4 inches (10.16 mm). The slats have no warpage when measured in accordance with ASTM C67.

The slats have a water absorption of 3 percent when tested and measured in accordance with ASTM C67. The slats conform to the freeze thaw requirements of ASTM C67.

4.2 Fasteners: Fasteners used with the TerraSlat by Tonality used in the hidden fastener system are shown in Table 2 of this report. Where installed as exterior cladding, fasteners shall be corrosion-resistant.

TABLE 2 – FASTENERS

Attachment	Hidden Fastener Attachment System
Type X Gypsum to Framing	#6 1-5/8-inch fine thread self-drilling drywall screws spaced at 12-inches (305 mm) on-center on each stud.
3 Inch - Cladiator Slotted Z to Framing through Sheathing ¹	To be included in Design Documents
Hat Profiles to Horizontal Cladiator Slotted Z ¹	Two screws at each intersection: SFS ¼-20 SDF Bi-met 300 -BMSD4-S3-#14x1-1/8-HW3/8
Slat Profile to Vertical Hat Rails ¹	Two screws at 16 inches on center along the height of the Hat Rails -SFS VAT 2-7049-4.8
Joint Spacers (vertical installation) to Slat Profile	Four screws #10 SS Wood Screws

SI: 1-inch = 25 mm

¹ Provided with the Hidden Fastener System.

4.3 System and Profile Descriptions: Descriptions of the attachment systems elements are shown in Table 3 of this report. Figures 1 and 2 of this report provide typical profiles and installation illustrations.

TABLE 3 – ATTACHMENT SYSTEM ELEMENTS

Element	Hidden Attachment System ¹ (inch)
Z-Profiles	Slotted-Z FG by Cladiator.
Hat Rail	Aluminum 6005-T61
Slat Profile (Type C)	Aluminum 5754-H22
Joint Spacers (vertical installation)	Aluminum 5754-H22

SI: 1 inch = 25.4 mm

¹ Provided with the Hidden System.

5.0 IDENTIFICATION

An identification label shall be affixed to the product packaging. The label shall include the Tonality GMBH TerraSlat by Tonality name or trademark, the intended use of



the labeled product; and the evaluation report number (IAPMO UES ER-911). The IAPMO Uniform Evaluation Service Mark of Conformity may also be used as follows:



IAPMO UES ER-911

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 Test reports of non-combustibility in accordance with ASTM E136.

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

6.4 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 TerraSlat by Tonality 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 the location noted in Section 2.6 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

TerraSlat Detail Set-Two Layer Horizontal Layout

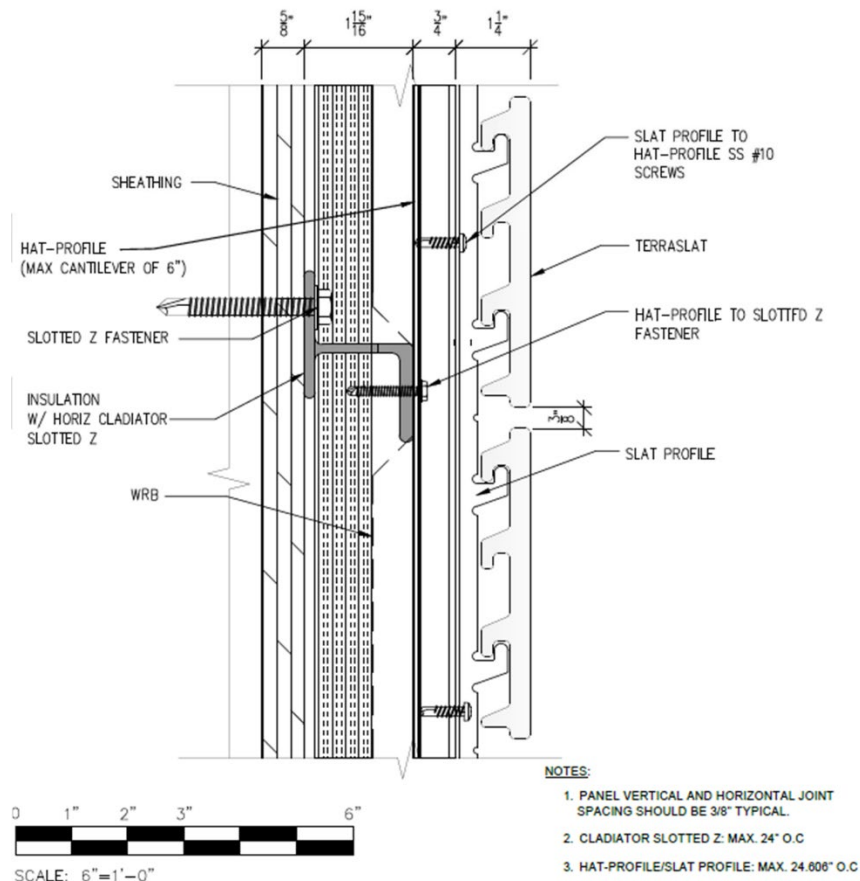


FIGURE 1-Horizontal TerrSlat Attachment Wall Details



TerraSlat Detail Set-Two Layer Vertical Layout

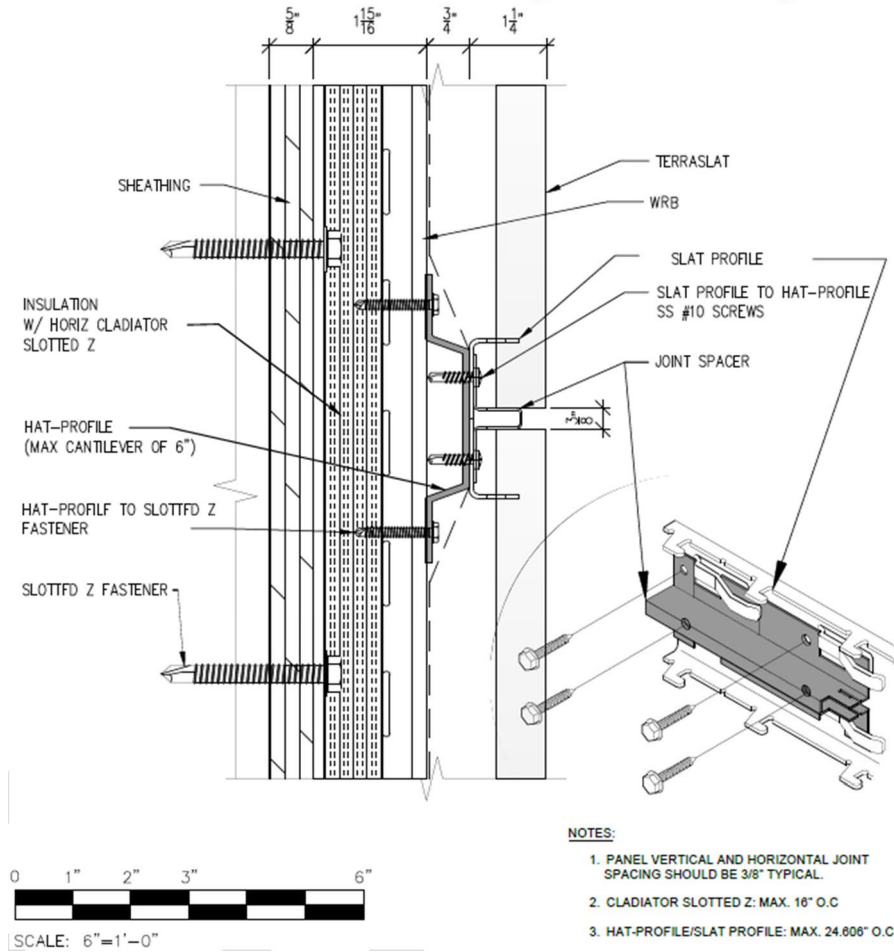


FIGURE 2 - Vertical Ceramic Slat and TerrSlat Attachment Wall Details



CALIFORNIA SUPPLEMENT

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1.0 RECOGNITION

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

- 2025 and 2022 California Building Code (CBC)
- 2025 and 2022 California Residential Code (CRC)

2.0 LIMITATIONS

Use of the TerraSlat by Tonality, when installed and recognized in this report, is subject to the limitations stated in IAPMO Evaluation Report ER-911 and the following additional limitations:

2.1 The design, installation, limitations, and identification of the TerraSlat by Tonality Panel Hiden System shall be in accordance with the 2024 IBC or 2024 IRC for use under the 2025 CBC or 2025 CRC or the 2021 IBC or IRC for use under the 2022 CBC or CRC, as applicable, as noted in IAPMO UES ER-911. 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 ER-911 and Chapters 8, 14, and 16 of the CBC, and Chapters 3 and 7 of the CRC, as applicable.

2.3 This supplement expires concurrently with IAPMO UES ER-911.

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



CITY OF LOS ANGELES SUPPLEMENT

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1.0 RECOGNITION

The TerraSlat by Tonality recognized in this report has been evaluated for use as non-load-bearing exterior cladding and interior wall finish. The structural performance properties, non-combustibility, and surface burning characteristics of the panels comply with the intent of the provisions of the following codes and regulations):

- 2023 City of Los Angeles Building Code (LABC)
- 2023 City of Los Angeles Residential Code (LARC)

2.0 LIMITATIONS

Use of TerraSlat by Tonality Hidden System, when installed, designed, and recognized in this report, is subject to the limitations stated in Evaluation Report IAPMO UES ER-911 and the following additional limitations:

2.1 Drawings, design details, and calculations verifying the adequacy of the fastening to the supporting wall shall be submitted to the structural plan check section for each project for review and approval. The calculations shall be prepared, stamped, and signed by a California registered design professional.

2.2 The systems described in the report shall be used, designed, installed, and inspected in accordance with Chapters 8, 14, 16, and 17 of the LABC and Chapters 3 and 7 of the LARC, as applicable, due to local amendments to these chapters.

2.3 This supplement expires concurrently with IAPMO UES ER-911.

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FLORIDA SUPPLEMENT

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1.0 RECOGNITION

The TerraSlat by Tonality described in IAPMO UES ER-911 and this supplement have been evaluated for use as non-load-bearing exterior cladding and interior wall finish. The structural performance properties, non-combustibility, and surface burning characteristics of the panels comply with the intent of the provisions of the following codes and regulations:

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

2.0 LIMITATIONS

Use of TerraSlat by Tonality recognized in this supplement is subject to the following limitations in addition to the limitations shown in IAPMO UES ER-911:

2.1 The design and installation of TerraSlat by Tonality recognized in this supplement shall be in accordance with the 2021 International Building Code as noted in IAPMO UES ER-911.

2.2 For installations in accordance with FBC, Building, Section 1403.8, the TerraSlat by Tonality shall provide clearance between the exterior wall panels and final earth grade on the exterior of a building of not less than 6 inches (152 mm) to provide for inspection for termite infestation or in accordance with the Exceptions to Section 1403.8 of the FBC, Building, as applicable.

2.3 Use of the TerraSlat by Tonality 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.

2.4 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.

2.5 This supplement expires concurrently with IAPMO UES ER-911.

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