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CONCRETE AND CLAY ROOF TILE INSTALLATION MANUAL

CSI Sections:

07 32 13 Clay Roof Tiles

07 32 16 Concrete Roof Tiles

1.0 RECOGNITION

Tile Roofing Institute’s Concrete and Clay Roof Tile Installation Manual recognized in this report has been evaluated for concrete and clay roof tile installation and structural wind application. The following code editions are recognized:

- 2021, 2018, 2015, and 2012 International Building Code® (IBC)
- 2021, 2018, 2015, and 2012 International Residential Code® (IRC)

2.0 LIMITATIONS

Installation of concrete or clay roof tiles recognized in a valid and approved Evaluation Report that references the Manual, as described in this report, comply with those codes listed in Section 1.0 of this report or are considered a suitable alternative to what is specified.

3.0 PRODUCT USE

The Concrete and Clay Roof Tile Installation Manual by the Tile Roofing Institute (TRI) provides installation instructions for concrete and clay roof tiles in accordance with the requirements of the International Building Code (IBC) and the International Residential Code (IRC) and installation methods that are alternatives to Section 1507.3.7 of the IBC and Section R905.3.7 of the IRC. The Concrete and Clay Roof Tile Installation Manual, dated March 2024, is applicable for use with the 2021 and 2018 IBC and IRC. The manual dated July 2015 is applicable for use with the 2015 and 2012 IBC and IRC.

The Manual is applicable to valid and approved Evaluation Reports for concrete and clay roof tiles that reference the Manual.

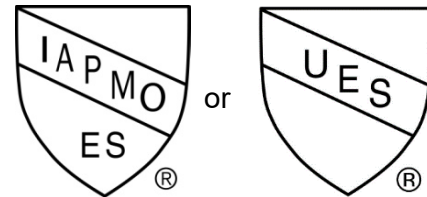
3.1 Installation: Concrete and clay roof tiles shall be installed in accordance with the Manual.

4.0 PRODUCT DESCRIPTION

The Manuals provide written narrative and illustrations for the installation of concrete and clay roof tiles. The Manuals also provide design considerations for satisfying the wind load provisions of ASCE 7-16, ASCE 7-10, and ASCE 7-05, as applicable.

5.0 IDENTIFICATION

Concrete or clay roof tiles recognized in valid and approved Evaluation Reports which reference the Concrete and Clay Roof Tile Installation Manual, dated March 2024 and July 2015 as applicable, shall be labeled in accordance with their individual Evaluation Report.



IAPMO UES ER-2015

6.0 SUBSTANTIATING DATA

6.1 The Concrete and Clay Roof Tile Installation Manual, dated March 2024 and July 2015.

6.2 An engineering study on Seismic Performance of Roof Tile Installations.

6.3 Engineering calculations for: aerodynamic uplift moment based on data in accordance with SBCCI SSTD 11; aerodynamic uplift moment; typical restoring gravity moment; batten spacing.

7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on Tile Roofing Institute’s Concrete and Clay Roof Tile Installation Manual to assess conformance to the codes shown in Section 1.0 of this report and serves as documentation of the product certification.

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

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.

