



TECHNICAL BRIEF | #2015-001

Summary of Changes to the 5th Edition FRSA/TRI Florida High Wind Concrete and Clay Installation Manual

The effective date of the new 2012 Florida Building Code (FBC) was June 30, 2015. Permits issued after this date will need to comply with the new requirements of the code and our FRSA/TRI 5th Edition Florida High Wind Concrete and Clay Installation Manual (dated April 2012). The manual was approved by the FBC as an equivalency standard on September 28, 2014.

To help provide clarity and help reduce confusion, TRI has assembled the following list of the major changes to the current 4th edition that are now included in the new 5th edition. The new matrix found on page 3 of the 5th edition will replace the previous 4th editions systems I to IV. Other than as listed below, the information from the 4th edition will be the same, but the refined matrix will help reduce the inappropriate mixing of systems that was occurring.

- 1) **Headlap:** Minimum 3" headlap for all tile applications unless precluded by product design.
- 2) **Wind Uplift Tables revised to reflect ASCE-7-10:** The wind uplift resistance tables have now been consolidated into two tables (2A and 2B) that reflect the most common roof styles. These will include a table for gable and hip roofs for roof slopes of 6:12 and less (Table 2A) and a table for gable and hip roofs for roof slopes greater than 6:12 (Table 2B). This will simplify the ability to determine proper uplift resistance for tiles.
- 3) **Self-Adhered Underlayments:** There will be new requirements for self-adhered underlayments to meet the testing standards TAS 103 (page 1 of the manual) and to also meet ASTM D1970 for minimum product thickness and fastener self-seal ability. Self-adhering underlayments will need to recognize and meet UV exposure up to 90 days after installed. Local building code officials have the final authority to provide acceptance for current code-recognized product approvals. Please check with your local building official for current requirements.
- 4) **Battens:** Battens will now be optional on roof slopes equal to or greater than 4:12. Battens should not be used on roof slopes under 4:12.
- 5) **Metal Flashing:** Installing metal flashing directly to the wood sheathing will no longer be allowed. A code-approved separator (sweat sheet) must be installed between all metal flashing and the wood sheathing. All metal flashings that are to be covered shall now be installed using an asphalt primer that will meet ASTM D 41 (including pre-painted flashings).
- 6) **Drip Edge Flashing:** Drip edge metal flashings shall now have a minimum 3" lap. This is an increase from the 4th edition requirement for a minimum 2" lap.

For more information on tile roofing, please visit our website at tileroofing.org or email info@tileroofing.org for specific inquiries.