

Technical Bulletin

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Brava Flat Tile Preliminary Product Guide

Purpose This document serves as preliminary product guidance for an upcoming product release for Brava Flat Tile.

This document should NOT be used for actual installation as it is intended as preliminary guidance only and will be replaced by standard technical support resources when the product is officially released.
See Additional Resources Table.

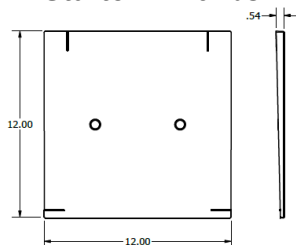
Contents Overview | Product Details | Preliminary Installation Guidance | Expected Testing & Code Approvals | Warranty Coverage | Additional Resources | Questions | Notes

Overview Brava Flat Tile has been developed to simulate the look and aesthetic of similar clay, concrete, and other natural products while achieving the many benefits of synthetic building materials. **The Brava Flat Tile System includes a Starter, Field Tile, Hip/Ridge Starter, Hip/Ridge Cap, Rake Edge, and optional Solid Tile.**

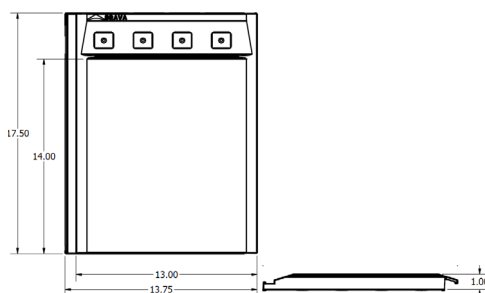
This product guide is intended to allow for maximum flexibility and quick updates as the product (and associated support documents) is prepared for official release. Users can expect multiple revisions as more information becomes available.
Consult with a Brava Technical Support Rep for the most current version.

Product Details

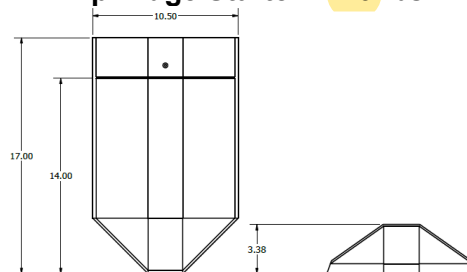
Starter – 1.6 lbs



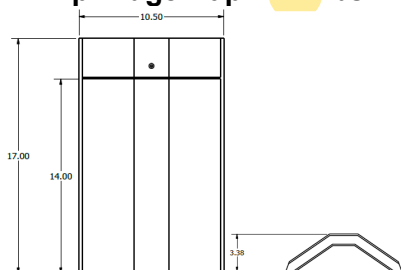
Field Tile – 2.7 lbs.



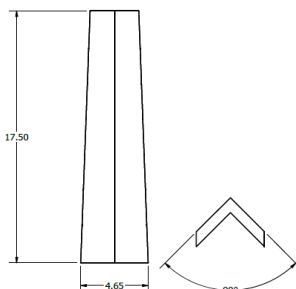
Hip/Ridge Starter – 1.9 lbs



Hip/Ridge Cap – 2.1 lbs.



Rake Edge – 1.2 lbs.



Solid Tile – Not yet available

Brava expects to offer an optional Solid Tile with the same dimensions as the Field Tile. The Solid Tile may be used for roof sections that require cutting such as valley and rake details.

Field Tile Shipping Details

Weight		Packaging	
Lbs./Piece	2.7	Tiles/Bundle	10
Lbs./Bundle	27	Bundles/Pallet	63
Lbs./Square	216	Bundles/Square	8

Preliminary Installation Guidance*

Before installing Brava Flat Tile, check local building codes for roofing requirements.

Brava Flat Tile material temperature should be above 32° Fahrenheit during installation.

Ensure appropriate flashing, Ice & Water Shield, and underlayment meet minimums and applicable codes. Verify materials and accessories required, product conformity, and color blending when checking the packing list and loading the roof.

Sheathing – Sheathing must be structurally adequate to support the loads involved and of a material recognized in a code evaluation report or as approved by the local building official. Sheathing must be a minimum of 15/32" CDX plywood or equivalent.

Underlayment – One layer of minimum ASTM D226 Type II (No. 30 felt) (ASTM D4869 Type IV) or approved equal, with a recognized code evaluation report, shall completely cover the sheathing and be lapped over hips and ridges and through valleys. Brava recommends Ice & Water Shield extending no less than 36 inches inside the plate line at eaves and a 36-inch or greater strip in valleys and at rakes.

Roof Slope – Brava Flat Tile has a recommended minimum slope of 4:12. When installed on a 3:12 slope or lower, Ice & Water Shield should be used on the entire slope. Brava does not recommend installation on slopes lower than 3:12.

Exposure – Ensure no fasteners are exposed between or below tiles or on any surface exposed to the elements. Brava Flat Tile is designed to be installed with a set exposure of 14 inches.

- Maximum exposure is currently in testing and may change.

Fasteners – All Flat Tiles and accessories should be installed with two (2) corrosion-resistant fasteners of sufficient length to penetrate no less than 3/4 inches into the sheathing or completely through the sheathing. Ring shank roofing nails or screws may be used depending on application and code requirements. Brava recommends using screws where high winds are typical.

- Fastener # per tile is currently in testing and may change.

Starter and Field Tile Installation

- 1 – Snap chalk lines for the Starter course and each consecutive course of tiles to ensure straight courses.
- 2 – Install the Starter course with a 1/2-inch eave overhang and a 1-inch rake overhang.
- 3 – Use Two (2) Fasteners for each Starter, Field Tile, and Accessory.
Ensure $\geq 3/4$ -inch fastener penetration into the sheathing or completely through the sheathing.
 - Fastener # per tile is currently in testing and may change.
- 4 – Space Starters to allow for thermal expansion ensuring $\geq 3/16$ -inch keyway between each Starter.
- 5 – Install the first course of Field Tile flush with the Starter using chalk lines to ensure straight courses.
- 6 – Use molded channel to set Field Tile maintaining $\geq 3/16$ -inch spacing from either side of channel.
- 7 – Continue installing Field Tile working from right to left.

Valley and Rake Installation

When it is necessary to cut tiles at valleys, rakes, and other details, make straight even cuts and place the factory edge to the outside. Comply with code for all waterproofing and flashing.

Valleys – Install a 36" strip of Ice & Water Shield at the valley.

Do not place fasteners within 5 inches of the valley center. Use a 2-inch center crimp for valley metal.

Rakes – At the rake, install Starters and Tiles with a 1-inch overhang with the factory edge to the outside. Rake Edge is installed with adhesive and 2 corrosion-resistant fasteners matching Field Tile exposure.

Hip/Ridge Cap Installation

- 1 – Trim tiles evenly and tightly at the hip and ridge. The opposing sides should be cut evenly from the hip or ridge center line for a uniform fit. Optional Hip/Ridge nailers may be used.
- 2 – Install an 8-inch-wide strip of Self-Adhering Membrane over the center of the hip or ridge. Ridge vents may be installed if applicable.
- 3 – Install Hip/Ridge Caps with two fasteners penetrating $\geq 3/4$ inches into the sheathing or nailer.

****Expected
Testing &
Code
Approvals**

The Brava Flat Tile system is in the pre-release testing phase and is intended to meet the same standards and codes as other Brava roof systems. The following list includes the minimum expected test standards and approvals.

Testing

ASTM G155 - Accelerated Weathering
ASTM E108 - Class A Fire Rating
UL 2218 - Class 4 Impact Resistance
TAS 100 - Wind Driven Rain
TAS 125 - Wind Uplift
ICC AC07 - Temperature-Cycling
ICC AC07 - Penetration Resistance

Code Compliance

Miami-Dade **NOA**
Florida Building Code (**FBC**) Approval
Texas Department of Insurance (**TDI**) Approval
Cool Roof Rating Council (**CRRC**) Approval
International Building Code (**IBC**) Approval
International Roofing Code (**IRC**) Approval
ICC AC07 Standard Certification

**Warranty
Coverage**

Brava's 50-year Limited Warranty will apply to the Brava Flat Tile roof system with the standard eligibility and coverage requirements. To view the full warranty, go to <https://www.bravarooftile.com/resources/>.
To register your warranty, go to <https://www.bravarooftile.com/customer-service/>.

**Additional
Resources**

Brava provides installation guidance for all products at <https://www.bravarooftile.com/resources/>.
Brava Technical Support offers In-Plant and Remote Installation Training in English and Spanish. Remote training is accessible regardless of location. Training prior to beginning installation can prevent costly delays. Please schedule training early to ensure availability.

Brava Flat Tile Additional Resources Table

Resource	Status
Comprehensive Installation Guide	Not Released – Draft
Product Data Sheet	Not Released – Draft
Roof Diagram	Not Released – Draft
Installation Video Series	TBD
Wind Warranty Matrix	Not Released – Draft
Accessory Layout Reference	Not Released – Draft

Questions

To schedule training, or if you have questions regarding Brava Roof Tile products and accessories, call 844-290-4196 and ask for Technical Support.
You can also contact us through our website at <https://www.bravarooftile.com/contact-brava/>.

Notes

*** This is a preliminary product guide and will be replaced with a comprehensive installation guide. Contact Brava before installing based on this guide alone.**
The information and instructions presented in this bulletin are based on Brava's best understanding, believed to be reliable and accurate. However, they are subject to updates and improvements as Brava and our partner installers continually gain knowledge and experience. The installation process for the Brava Flat Tile system has been designed to ensure efficient application, optimal performance, and adherence to relevant building codes and industry standards. All applicable local building codes, permits, and regulations should be considered to ensure compliance with legal requirements and to maintain the integrity of the system.

**** Testing and Code Compliance are contingent on testing in progress and have not yet been certified.** Updates will be released as new testing is completed.

Version history and revisions will be noted in the footer with an "R" followed by the number.