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Legacy report on the 1997 *Uniform Building Code*[™], the 2000 *International Building Code*[®] and the 2000 *International Residential Code*[®]

DIVISION: 07—THERMAL AND MOISTURE PROTECTION
Section: 07320—Roof Tiles

WESTILE CONCRETE ROOF TILES

**WESTILE DIVISION OF OLDCASTLE
ARCHITECTURAL WEST, INC.**
1742 SOUTH ROOFTILE ROAD
CASA GRANDE, ARIZONA 85222

1.0 SUBJECT

Westile Concrete Roof Tiles.

2.0 DESCRIPTION

2.1 General:

Westile roof tiles are interlocking, extruded concrete roof tiles. Various accessory tiles are provided for roof ridges, hips and rakes. The regular-weight tiles are composed of portland cement and selected sand aggregates. Lightweight tiles are composed of portland cement and lightweight aggregate. Anchor lugs are provided on the underside of all tiles, to overlap wood battens. Holes are provided in each tile for fastening where the installation requires fasteners. Interlocking ribs are provided on the longitudinal edges of the tiles, to restrict lateral movement and provide a water stop. Transverse bars are provided on the undersides, to serve as weather checks. The tiles are cured to reach required strength before shipment. The tiles have dimensions and installed dry weights as noted in Table 1. See Figure 1 for tile profiles.

2.2 Installation:

Installation shall be in accordance with the Roof Tile Institute's Installation Manual for Moderate Climate Regions, recognized in evaluation report ER-6034P.

2.3 Roofing Classification:

When installed as described in this report, the Westile concrete roof tiles are Class A roof coverings in accordance with Section 1504.1 of the 1997 *Uniform Building Code*[™] (UBC), Section 1505 of the 2000 *International Building Code*[®] and Section R902.1 of the 2000 *International Residential Code*[®]; and are noncombustible roof coverings in accordance with Section 1504.2 of the UBC.

2.4 Identification:

Labels on pallets of tiles bear the installed tile weight specified in this report; the Westile name; the tile profile; and the evaluation report number (ER-3984). In addition, the company name (Westile) is imprinted on the underside of each tile.

3.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Interim Criteria for Clay and Concrete Roof Tiles (AC180), dated January 2002, and a quality control manual.

4.0 FINDINGS

That the Westile concrete roof tiles described in this report comply with the 1997 *Uniform Building Code*[™], the 2000 *International Building Code*[®], and the 2000 *International Residential Code*[®], subject to the following conditions:

- 4.1 The tiles are manufactured, identified and installed in accordance with this report and the manufacturer's instructions.**
- 4.2 The tiles are manufactured at plants located in Littleton, Colorado; Casa Grande, Arizona; and Corona, California.**

This report is subject to re-examination in one year.



TABLE 1—TILE DIMENSIONS AND INSTALLED WEIGHTS

TILE PROFILE	PRODUCT NAME	INSTALLED WEIGHT ¹ (psf)	TILE DIMENSIONS (length x width x height) (inches)	MANUFACTURING LOCATION
S-Tile	Sierra Mission	9.0	17 x 12 ³ / ₈ x 3	Casa Grande
	Mission	9.5	16 ¹ / ₂ x 13 x 2 ¹ / ₂	Corona
	FeatherStone Mission	5.9	16 ¹ / ₂ x 13 x 2 ¹ / ₂	Corona
Low Profile	Coronado	9.3	17 x 12 ³ / ₈ x 2 ¹ / ₈	Casa Grande
	Verona	9.5	16 ¹ / ₂ x 13 x 2 ¹ / ₈	Corona
	FeatherStone Verona	5.9	16 ¹ / ₂ x 13 x 2 ¹ / ₈	Corona
	Double Roman	9.0	16 ¹ / ₂ x 13 x 2 ¹ / ₈	Littleton
Flat Profile	Dublin Shake and Dublin Slate	10.3	17 x 12 ³ / ₈ x 1 ¹ / ₄	Casa Grande
	Shake and Slate	10.3	16 ¹ / ₂ x 13 x 1	Corona
	Double Notched Shake and Slate	10.75	16 ¹ / ₂ x 13 x 1	Littleton
	Shake and Slate	10.3	16 ¹ / ₂ x 13 x 1 ¹ / ₄	Littleton
	FeatherStone Slate and Shake	6.95	16 ¹ / ₂ x 13 x 1 ¹ / ₄	Littleton
	Featherstone Slate and Shake	5.95	16 ¹ / ₂ x 13 x 1	Corona

For SI: 1 inch = 25.4 mm, 1 psf = 0.0479 kPa.

¹Installed weight was determined with a 3-inch headlap.

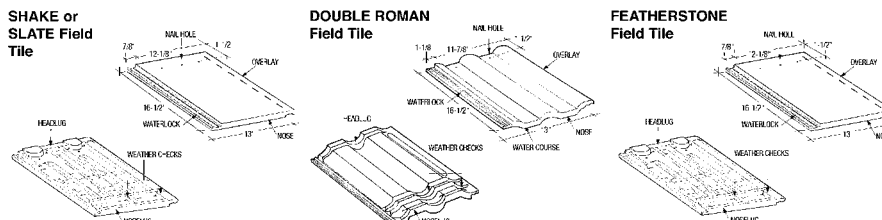
LITTLETON

TOP VIEW OF TILE

Configuration of surface and interlocking joint

UNDERSIDE VIEW OF TILE

Headlugs rest on solid sheathing or hang over battens. Noselugs and weather checks normally rest on lower course of tiles.



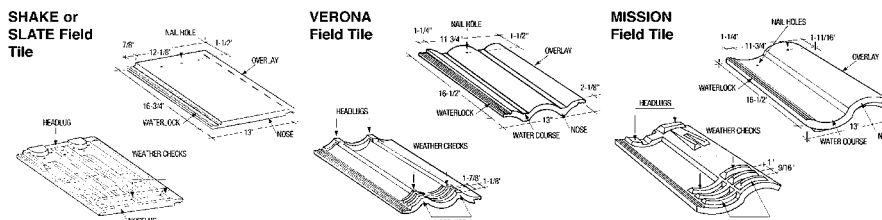
CORONA

TOP VIEW OF TILE

Configuration of surface and interlocking joint

UNDERSIDE VIEW OF TILE

Headlugs rest on solid sheathing or hang over battens. Noselugs and weather checks normally rest on lower course of tiles.



CASA GRANDE

TOP VIEW OF TILE

Configuration of surface and interlocking joint

UNDERSIDE VIEW OF TILE

Headlugs rest on solid sheathing or hang over battens. Noselugs and weather checks normally rest on lower course of tiles.

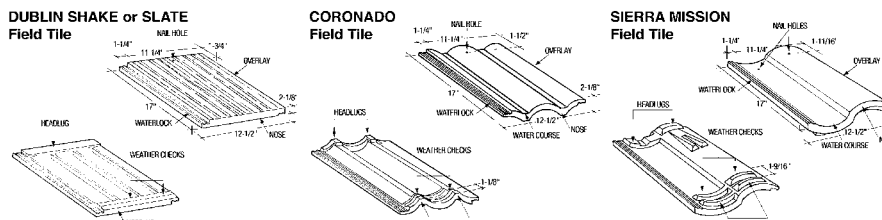


FIGURE 1—TILE PROFILES