



## LISTING INFORMATION OF RARE - European Tile, Heavy Shake and Ironwood Shake

SPEC ID: 28174

RARE Manufacturing Inc  
19154 95A Ave  
Surrey, BC V4N 4P2  
Canada

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

The **European Tile** profile is designed to look like a clay roof tile and has several color choices. It is made using cold-press-formed sheet steel complying with ASTM A 653, S, Type A panels and have a G90 galvanized coating. The total thickness of the galvanized panels is 0.020 inch and the overall panel size is 27.5 inches high by 17.5 inches wide.

The **Heavy Shake** profile is designed to look like a cedar shake and comes in 3 standard colors. It is made using cold-press-formed sheet steel complying with ASTM A 653, S, Type A panels and have a G90 galvanized coating. The total thickness of the galvanized panels is 0.020 inch and the overall panel size is 51 inches high by 13.625 inches wide.

The **Ironwood Shake** profile is designed to look like cedar shakes and comes in 5 standard colors. It is made using cold-press-formed sheet steel complying with ASTM A 653, S, Type A panels and have a G90 galvanized coating. The total thickness of the galvanized panels is 0.015 inch and the overall panel size is 51 inches high by 13.5 inches wide.

## RATINGS

### UL2218:

The **European Tile** and **Heavy Shake** panels meet the requirements of UL2218 when installed as follows:

- | 2 x 4 frame with 1/2 inch SPF plywood sheathing
- | 1 layer of #30 asphalt saturated felt
- | Nominal 2 x 2 battens nailed with 3.25 inch nails to the sheathing at 12 inch spacings
- | **European Tile** or **Heavy Shake** panels mechanically attached per manufacturer's installation instructions

### UL 1897:

The **Ironwood Shake** panels have obtained a maximum load of 145 psf (based on 1 Ironwood fastener per foot) in accordance with UL 1897 when installed as follows:

- | 2 inch x 12 inch Douglas Fir roof joists spaced 24 inches on center using 2 by 8 inch standard steel joist hangers and 8d by 2.5 inch long common nails
- | 1/2 thick plywood sheathing was fastened using 8d x 2.5 inch long common ring shank nails at 6 inch on center around perimeter and across the board
- | Ironwood Shake mechanically attached per the manufacturer's installation instructions with fasteners spaced at 12 inches evenly across the panels

### ASTM E108:

The **European Tile** and **Heavy Shake** meet the requirements of Class B when tested in accordance with ASTM E108 with the following assembly:

- | Combustible Deck, Slope of Deck 5:12
- | Pine lumber deck with spaced sheathing
- | 1 layer of #30 asphalt saturated felt, mechanically attached

- | wood shakes fastened mechanically
- | nominal 1 inch by 4 inch wood battens mechanically attached, parallel to and 6 inches from each lengthwise edge
- | 1 layer of 72 lb. cap sheet manufactured by GAF Corp., mechanically attached
- | nominal 2 inch by 2 inch wood cross battens, mechanically attached, 12 inches on center
- | **European Tile** or **Heavy Shake** mechanically attached per manufacturer's installation instructions

<u>Attribute</u>	<u>Value</u>
Criteria	UL 2218 (2002)
Criteria	ASTM E108 (2007)
Criteria	UL 1897 (2004)
Criteria	UL 2218 (2012)
CSI Code	07 41 13 Metal Roof Panels
Intertek Services	Certification
Listed or Inspected	LISTED
Listing Section	ROOF COVERING SYSTEMS
Report Number	488-1025, WHI-495-R-0814, WHI-495-R-0815, 3056606
Spec ID	28174