

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION RC-226

Effective Date: June 1, 2013

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **June 2017**.*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

**Granite Ridge Shingles** manufactured by

**Gerard Roofing Technologies**  
955 Columbia Street  
Brea, CA 92821  
(714) 529-0407

will be accepted for use in areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

## PRODUCT DESCRIPTION

Gerard steel roofing panels are formed from 26 gauge (0.019 inch thick) sheet steel complying with ASTM A 653, SS Grade 33, having a G90 zinc-galvanized coating complying with ASTM A 924 or a Galvalume sheet steel having an AZ50 class hot-dip aluminum zinc alloy coating complying with ASTM A 792. Both sides of the panel are treated with a corrosion-inhibiting coating. An opaque base coat of acrylic resin is factory applied to the top exposed surface with colored stone granules embedded into the base coat. Gerard Granite Ridge Shingles measure 46  $\frac{1}{16}$ " inches long by 15  $\frac{5}{8}$ " inches wide.

## LIMITATIONS

**Design Wind Pressure:** -105 psf

**Roof Slope:** Gerard Granite Ridge Shingles shall not be installed on roof slopes less than 3:12.

## INSTALLATION INSTRUCTIONS

### General Installation Requirements:

All International Residential Code (IRC) and the International Building Code (IBC) requirements must be satisfied and manufacturer's installation instructions followed, unless otherwise specified by this product evaluation.

### Installation:

**Roof Deck:** Minimum  $\frac{15}{32}$  inch thick plywood sheathing.

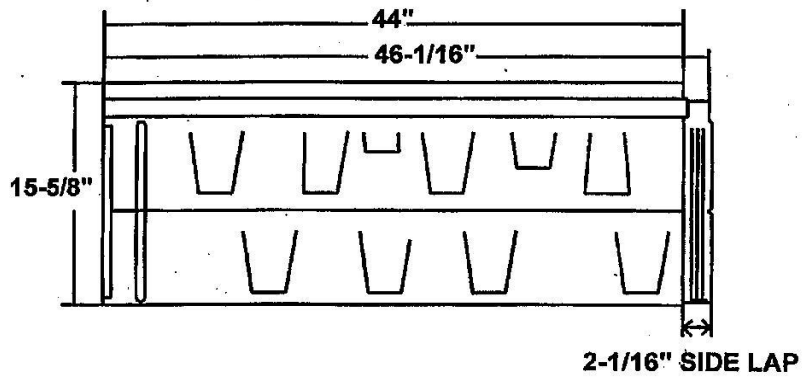
**Base Sheet:** A minimum of one layer of 30 lb. underlayment (ASTM D226, Type II) or two layers of No.15 underlayment (ASTMD226, Type 1) with 6" laps shall be nailed to the roof deck in accordance with the International Residential Code (IRC) and the International Building Code (IBC)

**Panels:** Gerard "Granite Ridge" panel shall be installed starting at the eaves. A starter strip is installed at eaves. Full panel bottom edge is interlocked into starter strip. Panel's side laps must be overlapped from left to right. Each panel fastened to deck with a minimum of seven (7) #9 x 1 1/2" long corrosion resistant HWH wood screws located 2" from each end and spaced 7" o.c. between the edge fasteners. The fasteners shall be of sufficient length to penetrate the sheathing minimum 3/16". Refer to roof detail drawing below.

All successive courses of panels are attached by interlocking bottom panel edge to fold at top edge of preceding panel and nailing through the nailing apron.

**Note:** The manufacturer's installation instructions shall be on the job site during the installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.

**DETAIL DRAWING:**



**FASTENING PATTERN SEVEN SCREWS PER PANEL**

