



## **General Installation Instructions**

These instructions MUST be followed to ensure desired appearance and maximum performance. Please note the following important features:

### **All Purpose**

For use on new or re-roofing applications over required types of roof decks (see Roof Deck section).

### **Roof Deck**

A properly installed and conditioned roof deck constructed of exterior grade plywood, minimum thickness of nominal 1/2," or alternatively 7/16" thickness APA rated non-veneer oriented strand board (OSB) structural panel should be used, as a minimum.

### **Roof Deck Ventilation**

Adequate ventilation under the roof deck must be provided to prevent harmful condensation in winter and heat build-up in summer. These conditions can cause:

- A.) accelerated roof weathering
- B.) deck rot and attic fungus
- C.) shingle distortion/cracking due to deck movement
- D.) blisters

Manufacturer will not be responsible for damage to shingles as a result of inadequate ventilation. Ventilation provisions must meet or exceed current FHA Minimum Property Standards and conform to all building codes and regulations. To best ensure adequate ventilation and circulation of air, a combination of vents at ridge and eaves should be used. All roof structures, especially mansard and cathedral type ceilings, must have complete through ventilation from bottom to top. FHA Minimum Property Standards require one sq. ft. of net free ventilation area for each 150 sq. ft. of space to be vented; or one sq. ft. per 300 sq. ft., if a vapor barrier is installed on the warm side of ceiling, or if at least one half the ventilation area is provided near the ridge.

### **Fasteners**

Nails only are recommended for the attachment of Pro-Cut® Hip & Ridge shingles. Use galvanized 3/8" diameter head roofing nails long enough to penetrate through the APA rated deck panel or 3/4" into solid wood decking. (Generally 1 1/2" nails minimum).

### **Storage**

These shingles can be damaged by careless and improper storage or handling. Keep shingles covered and protected from weather, keep dry and reasonably cool. Do not store near steam pipes, radiators or other sources of heat, or in direct sunlight until applied. Do not stack over 12 bundles high.

Manufacturer is not responsible for a slight variation in color which may occur from the positioning of the granular surfacing material used in this product. Proper application by these instructions will help minimize any such problem. The manufacturer is not responsible for the installed appearance by any other application method. Pro-Cut® Hip & Ridge Shingles are produced from the same high quality materials that are used to manufacture the heavyweight StormMaster® family of shingles. The double layer coverage method will provide a longer service life and provide a more distinct profile. Exposure: 5 5/8 inches.



## Application Instructions

Separate the Pro-Cut® Hip & Ridge shingle into three equal pieces along the perforated lines provided. Bend each piece lengthwise to provide equal exposure on both sides of the ridge. Allow 5 5/8" of exposure and nail 6" from exposed butt edge with 2 nails — 1" from each side. The direction of the exposed end should be away from the prevailing wind.

## Special Design Instructions

For an enhanced appearance with Pro-Cut® Hip & Ridge, use a double layer of shingles. Fasten in the same manner as the single layer application shown. Be sure to use fasteners of sufficient length to penetrate through the roofing material and at least 3/4" into a lumber deck or through a plywood deck (2" long).

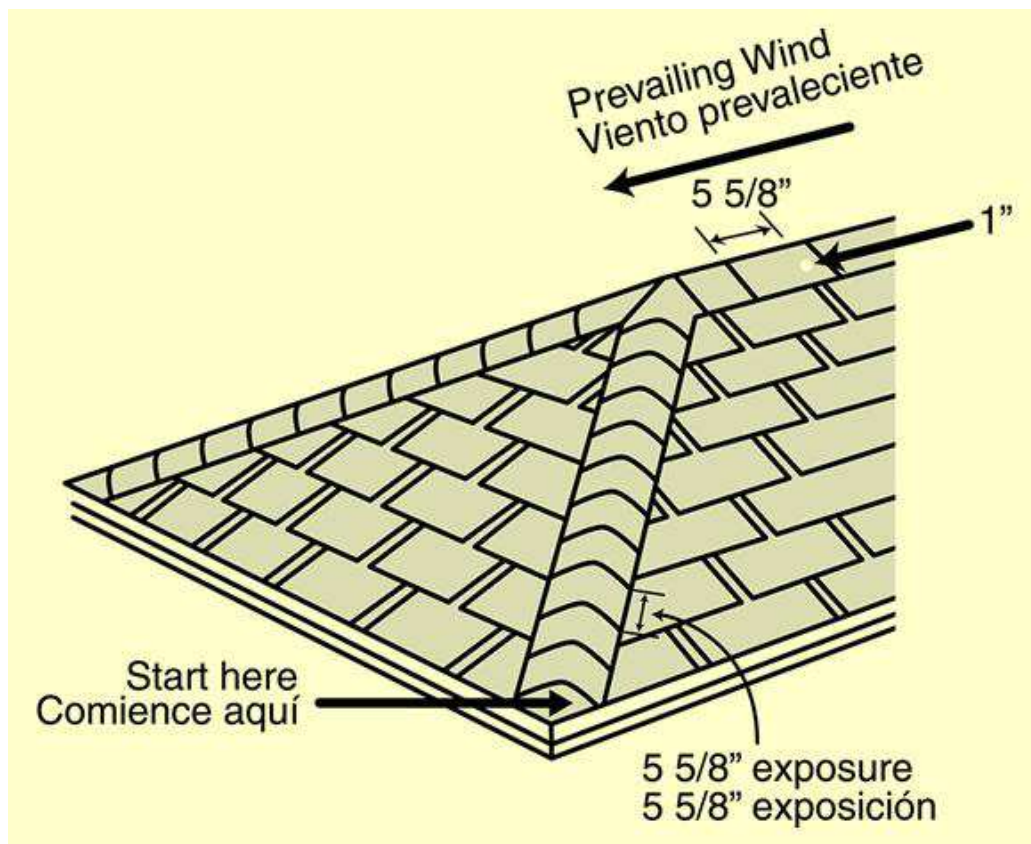
## Maintenance

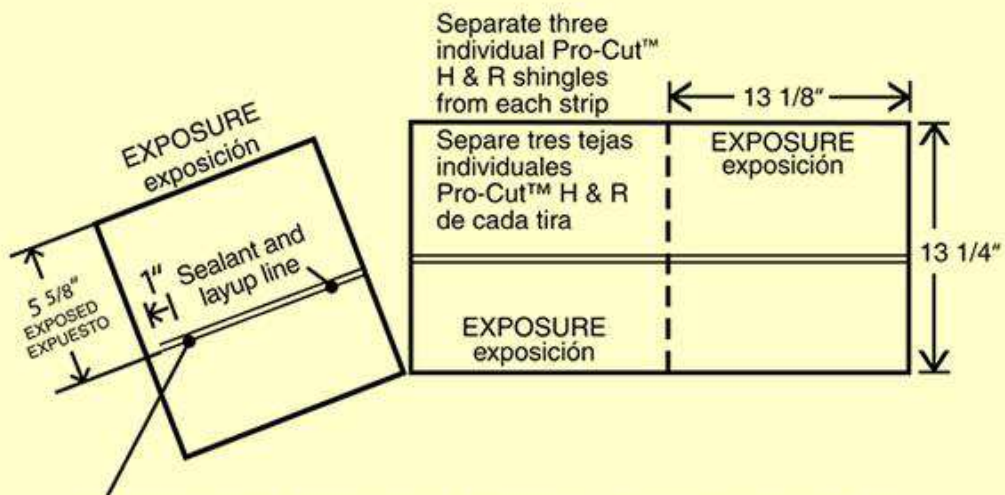
Every effort should be made to keep roof traffic to a minimum. Regular roof maintenance should be performed in the cooler parts of the day.

## Storage

Store on flat surface. Protect from weather during storage and on job site. Sealant protection tape is placed on the back of each shingle and does not have to be removed before applying.

AT TEMPERATURES BELOW 40°F, CARE SHOULD BE TAKEN TO AVOID DAMAGE TO THE EDGES OR CORNERS OF SHINGLES. IN EXTREMELY HOT WEATHER (ABOVE 90°F) STORE SHINGLES IN SHADED AREAS.





Nails to be placed at rear edge of sealant line, 1" in from edge of shingle.  
Los clavos para ser colocados en el borde de ataque de la línea de sellador, 1" en de la orilla de tablilla.