

# SnowTrapper™ Snow Guard Installation Guide for Asphalt Shingles (ST9)

## SnowTrapper™ Snow Guard Overview

Snow guards prevent damage by holding snow and ice in place on the roof, allowing it to melt safely away. Snow guards must be installed in a specific pattern and quantity on the roof to achieve this desired result.

SnowTrapper™ snow guards have been engineered to work with your asphalt shingle roofing systems meeting a breadth of design and snow load requirements, providing protection, seamless component interface and easy installation.

Each SnowTrapper™ should be attached above the asphalt shingle by driving self-tapping screws into the roof deck through two of the three predrilled holes in the top of the extension strap; the torque necessary will vary based on thickness.

SnowTrapper™ snow guard installation has been designed to be quick, easy and consistent.

## Preparation and Basic Requirements

- For new installations, follow roofing manufacturer's guidelines for recommended fasteners.
- Suitable fasteners are 11 or 12 gauge self-tapping screws with 3/8" (1 cm) heads or nails of similar size.
- Self-tapping screw or nail material must be compatible with metal shingle roofing material.

*Do not combine dissimilar metals!*

- Minimum fastener length is 1-1/2" (3.8 cm). Fasteners must penetrate the deck by at least 1/2" (1.3 cm).

## Installation

It is critical for a structural engineer to evaluate your roof, prior to installation of SnowTrapper™ snow guards. The placement and quantity of snow guards you need is determined by the roof design and geographic location of the project. Always follow your roofing consultant's recommendation for both installation and layout of your snow guards. Snow guards are recommended in areas where snow and ice could fall from the roof in an avalanche, damaging people and property below.

1. To begin, fasten the third row of asphalt shingled roofing as usual.
2. Snow guards should never be placed over the uninsulated portion of a roof.
3. Place the snow guard on the shingle, ensuring proper horizontal spacing from the starting snow guard, gable or previously installed snow guard with the end of the strap resting on the roof deck above the shingle.

4. Position the snow guard low enough on the shingle so that the next course of shingles will lie properly over the top of the Snow guards.
5. Two nails or screws of the same or compatible material as the snow guard should be driven through the two holes at the top of the strap and secured into the roof deck.
6. Repeat these steps for the entire roof layout.

### SnowTrapper™ Snow Guard Care

Follow these important steps to ensure the quality and durability of your SnowTrapper™ investment:

- Keep boxes in a dry place under opaque tarps when on the jobsite.
- Limit stacking boxes to a maximum of three boxes per pallet, stacked no more than two pallets high.
- Boxes are marked with arrows showing the proper stacking direction. Never lay boxes on their sides, always stack them flat.
- Always secure materials on the roof when working.