



OH HAIL! HAS YOUR ROOF BEEN COMPROMISED?

HAIL DAMAGE

Issue Description:

Hailstorms can cause serious damage to a roof. Hail damage is marked by indentations, fractures, or multiple circular areas on the shingle where granules are missing. In some severe cases, hail impact can crack the shingle which weakens the water shedding capability of the roof.

The impact of the hailstone can break or weaken the bond between the granules and the asphalt. When granules are loose or missing, the roof has been compromised.

The effects of hail impact on asphalt shingles may not be immediately apparent. Sometimes it may take several months for circular or slightly elliptical areas to appear as granules become dislodged. When the damage to the surface of the shingle is not visible, look for indentations on vents, gutters, siding, air conditioning units and /or heat pumps, electric meter boxes, or other metal objects as telltale signs of hail impact.

Recommendations

In the aftermath of a hailstorm, it's important to get your roof checked for damage by a professional roofing contractor that you trust to safely and thoroughly inspect your roof. Hail falls in random patterns and therefore may only damage a few houses within a neighborhood.

If you live in an area that is prone to hailstorms, we recommend installing impact-resistant shingles that are designed to withstand various levels of impact. Impact-resistant shingles are tested and classified using the Underwriters Laboratory 2218 (UL 2218) steel ball test where a steel ball is dropped from a specified height onto an installed roofing shingle and inspected for any breaks or cracks. The highest possible rating is Class 4. To receive a Class 4 rating, a roofing shingle must withstand having a 2-inch steel ball dropped multiple times from a height of 20 feet. Using Class 4 impact resistant shingles helps to prevent or reduce the amount of damage from hail or other debris. Owens Corning offers Duration FLEX®, Duration Storm®, and WeatherGuard® HP shingles which meet Class 4 of the UL 2218 impact resistance standard. Damage caused by hail is not covered by Owens Corning® Standard Product Limited Warranty* or extended protection warranties.

** See actual warranty for complete details, limitations and requirements.*

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OH HAIL! CHECK OUT THAT SIZE*

HAIL OF THIS SIZE AND LARGER**

is most likely to cause
damage that could
result in the need for
a roof replacement

MOTHBALL = $\frac{1}{2}$ INCH DIAMETER

PENNY = $\frac{3}{4}$ INCH DIAMETER

QUARTER = 1 INCH (QUARTER SIZE OR LARGER CONSIDERED SEVERE)

PING-PONG BALL = $1 \frac{1}{2}$ INCH

GOLF BALL = $1 \frac{3}{4}$ INCHES

TENNIS BALL =
 $2 \frac{1}{2}$ INCHES

BASEBALL =
 $2 \frac{3}{4}$ INCHES

SOFTBALL =
4 INCHES

TECHNICAL BULLETIN

THE USE OF HIP & RIDGE AND STARTER WITH LIMITED LIFETIME

SUPERSEDES PREVIOUS BULLETINS

Issue Description:

This bulletin confirms requirements for the use of Owens Corning® Starter Shingles and Owens Corning® Hip & Ridge shingles to maintain lifetime coverage per the terms of the Owens Corning Limited Warranties*, which cover product manufacturing defects. These warranties state that any issues resulting from improper or faulty installation of shingles are not covered, and that installation must be in accordance with our written installation instructions and comply with local building codes.

Starter Shingles:

The application instructions for all Owens Corning shingles with a Limited Lifetime Warranty including Oakridge® Shingles, all Duration® Series Shingles, and WeatherGuard® HP Shingles call for the use of an Owens Corning® Starter Strip product. These products include Owens Corning® Starter Strip, Owens Corning® Starter Strip Plus, and Owens Corning® Starter Shingle Roll. These products are designed for use along the eave and rake edge, and when installed correctly, assure correct position of sealant and joints to protect against wind and water infiltration.

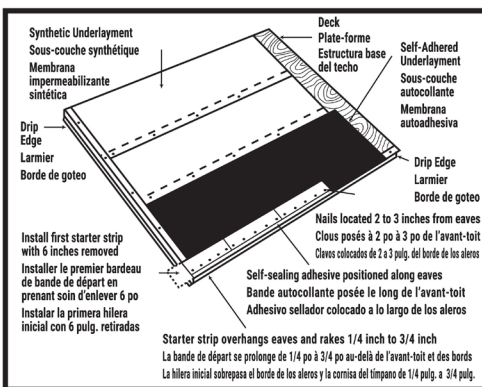


Figure A: Starter Strip Installation

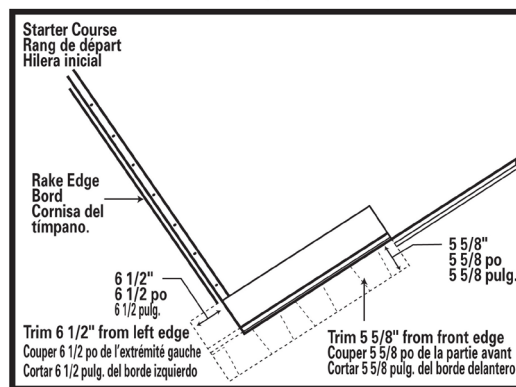


Figure B: Alternate Method

As an alternate method, trimming laminates as shown in Figure B is also acceptable.

The use of a laminate shingle or a three-tab shingle upside down as a starter is not acceptable. This will place the sealant bead in the wrong location, compromising wind performance at the eave.

Additionally, cutting the tabs off of three tab shingles for use as a starter is not acceptable for a roof on which laminate shingles will be installed. Using cut three-tab shingles in this way will result in offset problems due to the length difference between three-tab and laminate shingles. Eventually, the vertical joints will line up with the first course of shingles above and create potential for a leak.

**Please contact 419-248-6557 for additional information.
Email: gettech@owenscorning.com**

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TECHNICAL BULLETIN

THE USE OF HIP & RIDGE AND STARTER WITH LIMITED LIFETIME

10023709-BW – SUPERSEDES PREVIOUS BULLETINS

Hip & Ridge Shingles:

The application instructions for all Owens Corning® shingles with a Limited Lifetime warranty, including Oakridge® Shingles, all Duration® Series Shingles, and Weatherguard® HP shingles call for the use of an Owens Corning® Hip & Ridge Shingle. Owens Corning makes a variety of Hip & Ridge shingles which are specially formulated to be bent over a ridge and are designed to perform in that position as part of a Lifetime roof system. Furthermore, all Owens Corning® Hip & Ridge Shingles are made to match the color of the field shingles and resist wind uplift. The ridge area is especially vulnerable to high winds and Owens Corning® Hip & Ridge Shingles are tested and warranted per the terms of the warranty for wind performance for use in that location.

The use of scrap laminate shingles as ridge cap is not acceptable. Laminate shingles are designed for installation on a flat surface and will not bend properly over a ridge.

The use of three-tab shingles as ridge cap also does not meet the requirements of a lifetime roof system as they carry a maximum 25-year product limited warranty. In addition, three-tab shingles only provide a 60 mph wind resistance warranty which falls far short of the 110 mph or 130 mph wind resistance warranty provided by Owens Corning® Hip & Ridge Shingles.

**See actual warranty for details.*

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