



Is my roof damaged by hail?

The information in this guide covers some of the more common types of damage to composition roofs. It shows what hail damage typically looks like, and also what other types of damage look like.

Did You Know . . .?

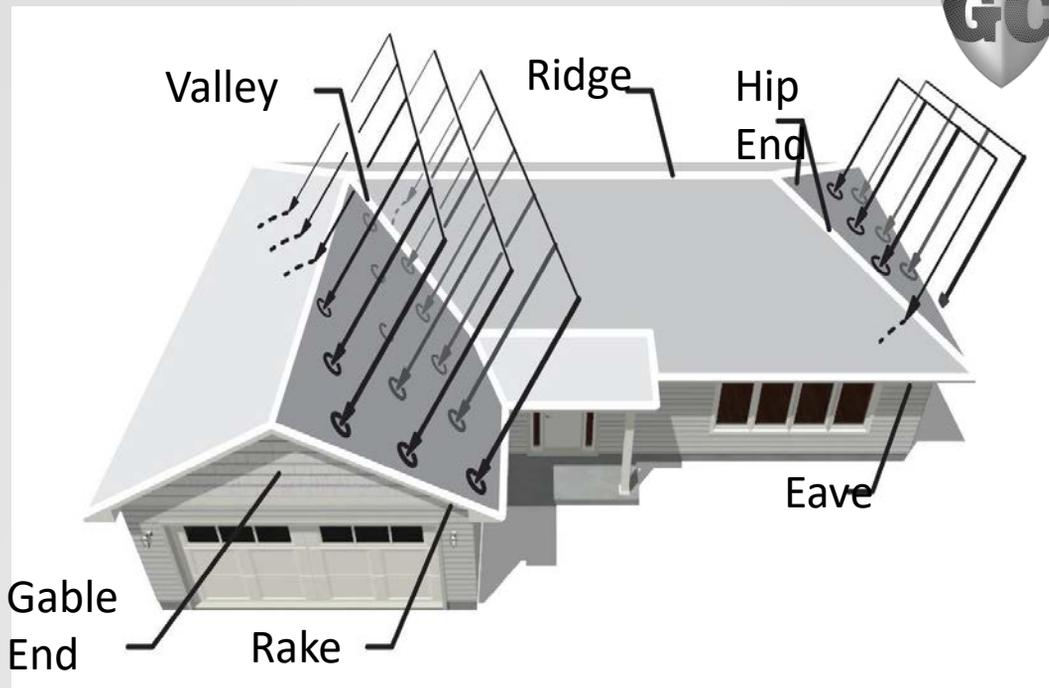
Composition shingles are comprised of a fiberglass or organic base material, a waterproofing binder (asphalt), minerals and a protective layer of granules.

The extent of roof shingle weathering varies, in part according to the grade of shingles, slope direction and attic space ventilation. Poor attic ventilation can greatly reduce the service life of roofing shingles.

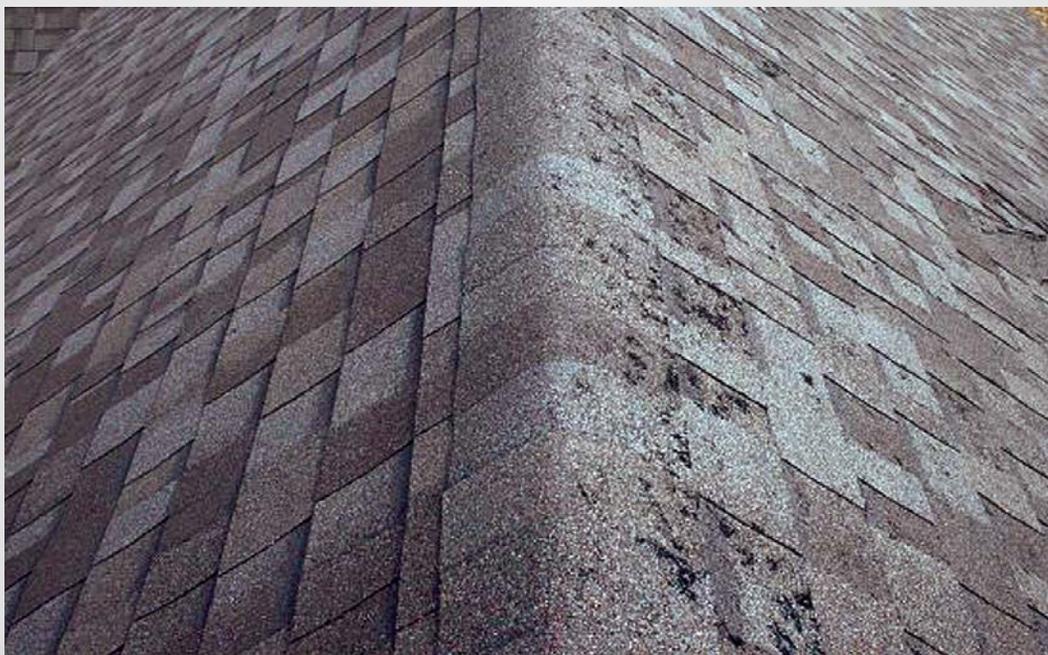
Shingles facing southerly directions typically deteriorate more quickly than those on other slopes due to the more direct angle of solar radiation.

During a hail storm, depending on the direction and velocity of the wind, some slopes may be more susceptible to hail damage while other slopes may have minimal or no damage.

Directionality of Hail



Hail – The number, size and hardness of the hailstones can vary tremendously within a small locality. Velocity and direction of the wind are also factors.



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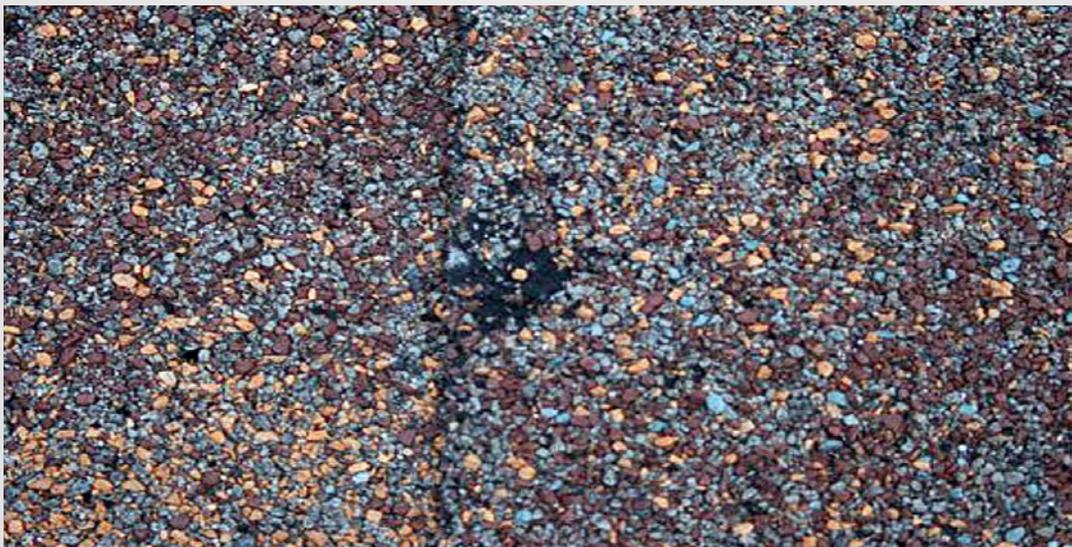
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Random Hail Hits to Composition Shingles



Bruise – Created when a hailstone crushes the mat material and can displace granules. Bruises may cause premature deterioration and weathering, eventually resulting in a hole in the shingle.



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Closed and Popped Blisters



Blisters – Small bubbles or crater-like holes generally. Blistering can result from the manufacturing process or from roof ventilation issues and are not caused by hail. Blisters can eventually cause granule displacement.



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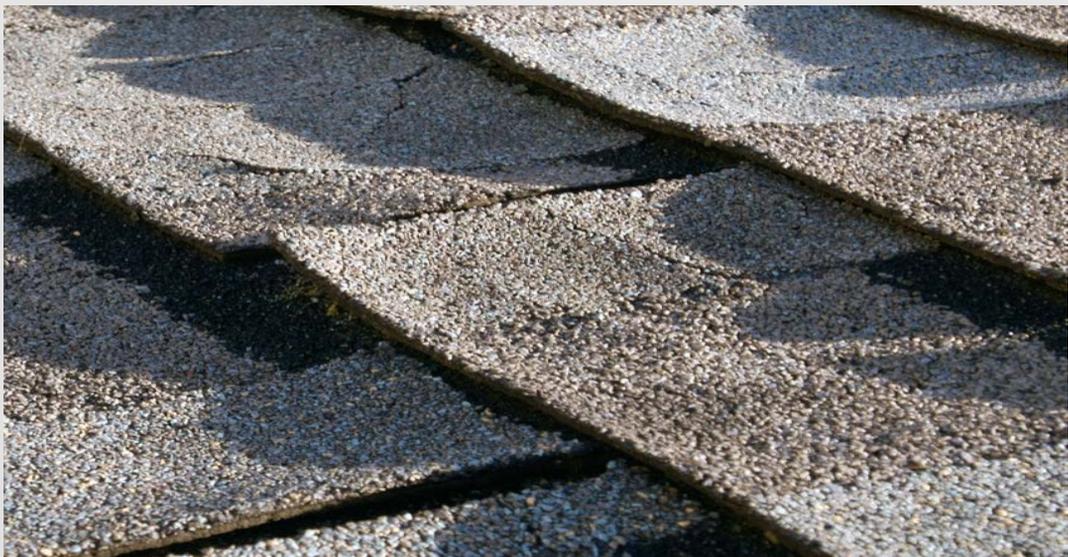
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Cracking – Web-like pattern of cracks in surface of shingles due to natural weathering.



Curling/Cupping – This is the result of normal weathering of the asphalt shingle.



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Flaking – As the natural weathering of shingles continues, small chunks of the granules coating begin to delaminate from the mat.



Foot Traffic – Potential loss of granules caused by walking on a roof.



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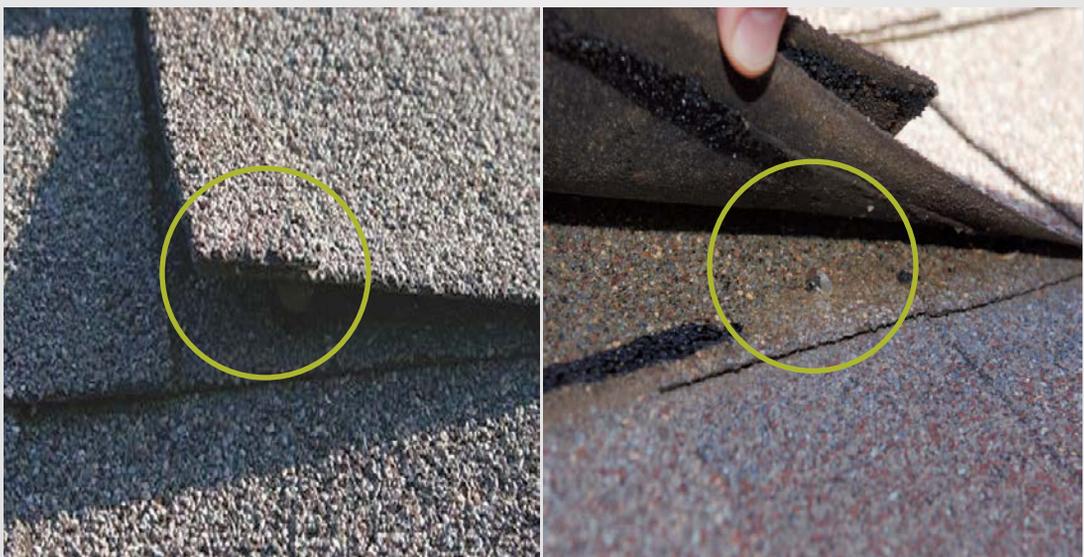
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Manufacturing Defects – This may occur during the manufacturing of shingles.



Nail Pop – An Elevated nail that can push a portion of the shingle off the roof plane. Over time, this pop can cause a hole in the shingle.



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