



# Warning Signs Of Roof Damage



## Missing Shingles

Missing shingles are commonly caused by windy conditions and hail. Missing shingles can cause leaking, and should be repaired immediately. If your roof is older than 7 years, or has sustained severe weather, missing shingles may be a sign that the roof needs to be replaced.



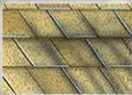
## Interior Leaks

Leaks that are visible inside the house are the most important to address quickly. If you are seeing brown spots on your ceiling, or if water is dripping into the home, you should schedule a professional evaluation immediately. Leaks quickly lead to mold and rot, and can cost additional thousands if not resolved quickly.



## Curling and Gapped Shingles

Hail damage can cause shingles to curl by removing their protective layer, as well as loosening nails. Shingles require a snug application to be effective. Curling shingles and gaps allow moisture to seep in to the underlying wood. Over time, this can lead to interior mold and rot.



## Algae and Oxidation Stains

Algae is the black and green stain that makes the roof look dirty. While algae itself does not ruin a roof, moss feeds on algae. When moss grows on shingles, it attaches to granules. This makes it nearly impossible to remove without destroying the roof. The stains on your roof could also be a much more severe problem - signs of oxidation. When hail strikes loosen nails and curl shingles, this exposes the nails to moisture. Oxidation stains can be signs that moisture is seeping in to the nails and wood.



## Buckled Shingles

Buckling shingles can appear as gaps, peaks, bumps, or dips in the shingles. If you can see spaces under shingles, or see uneven peaks and valleys, your roof could be buckling. This is a symptom of a very severe underlying moisture issue, and should be inspected by a professional roofer as soon as possible.



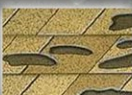
## Damaged Flashing

Flashing that is damaged could cause leaking. Damaged flashing can be caused by hail, wind, improper installation or corrosion of old flashing. If your flashing appears warped or damaged, it should be inspected by a roofing professional immediately.



## Missing Granules

When a roof is new, it is common to lose some granules. However if your roof has been on for more than 5 years, and there are excessive granules in your gutters or drain spouts, it could be an indication that your roof is nearing the end of its life.



## Rotting Shingles

Rotting is caused by absorption of moisture by the mat at the core of the shingle. This occurs when water has seeped under the shingles for long periods of time, or when all of the protective granules have eroded. This is a sure sign that the roof has outlived its lifespan, and should be replaced. Rotted roofs almost always have some signs of leaking, and often have rot and mold problems that need to be addressed.