

Hail Damages to Roof Systems #1

Hailstones and Composition Shingle Roofing Damages

Hail is a natural destructive force that can cause severe damages to residential, commercial and industrial roof systems. Analysis and confirmation of "true" hail damages must be performed by personnel with both technical training and extensive field training expertise of the natural and physical natures of both hailstones and roof systems. Hailstones, both Large and Small, form into various shapes and sizes and typically fall

with reckless abandon. Hailstones will also damage other exposed surfaces. Nonetheless, not all hailstones cause damages to roofs and do not cause damages to all exposed surfaces. Typically, not all marks found on roofing following a hail event are hail related.

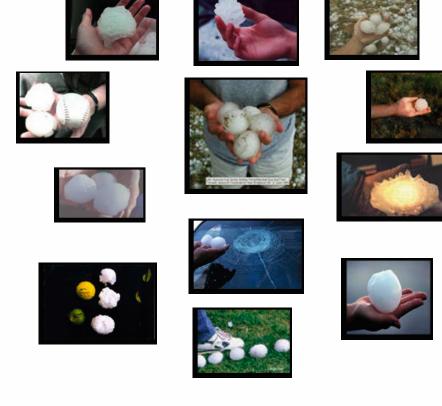


temperatures.



Hailstones densities also vary from virtual snow-balls to solid masses of dense ice.

Hailstones form in multitudes of shapes and sizes due to accretion and upper level air





Conjoined Impact damages in tab-slots occurring to adjacent shingles is a typical finding. These hail impacts have caused typical bruising and fracturing of the bitumen



and reinforcing mats.



True hail impact damages will cause distinct impact compression marks which bruise the bitumen, fracture the reinforcing mats and cause significant and pronounced point

impact granule loss which exposes the reinforcing mat.





repair vs. replacement options. These photos show extreme frequency of hard and

dense damaging hailstones.

