

Raising the Roof



Eastbrook
UNIVERSITY

Types of roofing shingles, tiles and materials

There are many different types and styles of roofing materials, but it comes down to just a handful of practical options when making a choice.

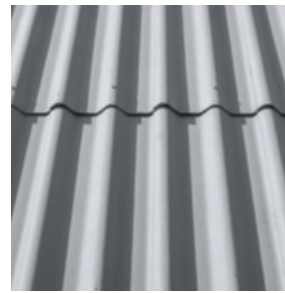
1 Asphalt and Composite



The most common type of roofing material is a composite of asphalt and fiberglass. Composite shingles come in more shapes and sizes than any other shingle, providing significant design flexibility along with durability. Over

75% of American roofs have asphalt shingles due to their relatively low cost, ease of installation, and reliability. Shingles of this type generally offer a 15-30 year warranty.

3 Metal



Metal roofs are available in copper, aluminum, and stainless steel. Many often have a high percentage of recycled content. From a performance perspective, they offer high insulation, solar reflectance, and long-lasting durability. Metal shingles also

tend to be lighter than most other roofing materials and are very resistant to adverse weather conditions.

4 Tile



Made from clay/ceramic material, tile roofing can be extremely resilient to harsh climates, especially those with an abundance of heat and sunshine. Typically, tile roofs can reflect more than 50% of the sun's energy, working as a natural inhibitor of thermal

transfer. One potential drawback to tile is its weight. Tile roofs are heavier than other roofing materials and generally require additional roof framing to support its increased weight.

2 Wood shingles and shakes



These can be purchased in cedar, redwood, southern pine and many other woods, although the high oil content of cedar makes it the most desirable and most costly wood roofing material. Wood *shingles* are cut by machine while wood

shakes are handmade for a slightly rougher, and more rustic, look. Today, however, shakes are a style easily replicated with more durable and long-lasting materials such as fiberglass.

Thatched Roofs

One possible explanation for the expression "Raining cats and dogs" is that in olden times, homes had thatched roofs in which domestic animals such as cats and dogs would like to hide. In heavy rain, the animals would either be washed out of the thatch, or rapidly abandon it for better shelter, so it would seem to be raining cats and dogs.



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