# Most Common Technologically Enhanced Roofing Materials by William Gulliver

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Technology has allowed the production of more durable materials that can withstand most forms of damage. This includes construction and building materials that have been designed to endure all kinds of weather conditions. Using these materials in homes and other buildings add protection to the structures; they can also make these structures look better.

One component of a house that uses these technologically-enhanced materials is the roof. Because of its location, the roof sustains a lot of damage not just from the weather, but from other factors as well, such as tree branches that can scratch the material, and animals that mighttry to tear the roof open. Thankfully, most roofing materials are manufactured to last long.

There are different types of roofing materials available in the market. These various materials have their own perks and disadvantages. Listed below are some of these materials, and how they have been engineered to make them better.

Asphalt Shingles

There are generally two types of asphalt shingles: organic and glass fiber. The latter one has a fiberglass reinforcement mat coated with asphalt and ceramic granules; the asphalt coating has fillers that make the shingles water proof. On the other hand, the organic type is made of paper saturated with asphalt; it also has ceramic granules and asphalt coating. This not only makes organic shingles waterproof as well, but it also makes them heavier and less likely to get blown off by winds. Asphalt shingles last longer in cooler climates; the average lifespan is 25-45 years.

Metal

Metal in itself is already a very versatile material. With this, it is a very good material for roofs; it is resistant to fire, insects, rotting, and many other things. Metal roofing can also be treated to be more resistant to rust or corrosion. This type of roofing is lightweight, allowing easy installation. It can last for over 40 years. Getting the metal roofs and gutters NJ contractors offer is considered a wise choice.

Tile

This is another popular choice in the United States. Tiles can be composed of concrete or clay. Because of its texture and color choices, the tile offered by roofing companies in NJ gives a certain visual impact, appealing to a lot of homeowners. Certain types of tile roofs are said to be capable of withstanding around 400 pounds of pressure. It last for about 50 years or so.

These are just a few of the roofing materials that have been improved by modern roofing technology. Whether one is getting the installation services or roof repair NJ contractors offer, he is assured that the materials will protect his home. To know more about roofing materials, go to roof101.com/roofing-materials/.

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