

Concrete Roof Tile

A Superior Choice Above All Others




Concrete Roof Tile: The Top Roofing Material in Durability, Sustainability and Longevity

Whether you are building a new custom home or residential community, re-roofing your existing residence, or specifying a commercial structure, your project deserves the best roof possible. So how do you pick the right roofing material when there are a variety to choose from?

When determining the perfect choice, it is recommended that you do a thorough analysis of the products available to evaluate which best suits your consumer needs. What may seem like the most common or affordable roofing solution now, may not be in the long-term, when you take into consideration the average lifespan, recyclability, design versatility and resiliency.

The facts speak for themselves. When you compare a properly installed **concrete tile roof system** against all others, it is a beautiful, cost effective and high performing alternative that exceeds expectations, while providing years of protection and peace of mind.

COMPARISON ➡						
	CONCRETE ROOF TILE	Asphalt Shingle	Clay Roof Tile	Wood Shake	Natural Slate Tile	Metal
Material	Natural mixture of cement, sand, water and oxide	Petroleum-based fiberglass or a paper fiber mat	Molded from natural pulverized clay and water	Manufactured from red cedar, cypress, pine and redwood trees	Natural, fine-grained, metamorphic rock	Consists of either aluminum, steel or copper
Average Lifespan	75 years	20 years	75 years	30 years	50+ years	45 years
Recyclable	✓	✗	✓	✓	✓	✓
Design Versatility	✓	✗	✓	✗	✗	✗
Class A Fire Resistant	✓	✓	✓	✗	✓	✓
Hail/Impact Resistant	✓	✗*	✓	✓	✓	✓**
Resistant Beyond 150 MPH Sustained Winds	✓	✗	✓	✗	✗	✓
Freeze-Thaw Resistant	✓***	✓	✓	✓	✓	✓
Inherent Thermally Insulative Properties	✓	✓	✗	✗	✗	✗

*According to the Insurance Institute for Business & Home Safety, only 43 percent of 3-tab asphalt shingles possess a Class 1 hail/impact rating.

**Metal roofs are not recommended for hail zones due to the inevitable denting and scratching that occurs during inclement weather, such as hail storms.

***Excludes color bonded/slurry tiles.

Comparing Concrete Roof Tile to Asphalt Shingle

Although asphalt shingles are fairly new to the building industry compared to other roofing options, they are the most commonly used material for residential roofs; however, the most popular doesn't necessarily translate to the best option.



Concrete Roof Tile

Concrete roof tiles are produced from all-natural products that are fully recyclable and biodegradable at the end of their lifespan.

Concrete roof tiles can resist the harshest of weather conditions.

- Class A Roof Assembly
- Withstand sustained wind speeds of up to 180mph
- Class 3 or 4 Hail Rated Tile
- Freeze-Thaw Rated (excluding slurry/color bonded tiles)

Concrete roof tiles are heavier than asphalt shingles, resulting in their longevity, thermal superiority, as well as their weather and impact resistance.

Compared to other roofing materials, concrete roof tile systems have the lowest life cycle costs based on the life of the roofing material and required maintenance. In addition, the long life of a tile roof reduces the need for reroofing.

Concrete roof tile manufacturers offer a multitude of colors and profiles to choose from to complement various architectural styles.

Concrete roof tiles are installed in a way that allows air to circulate under and through the tile, resulting in greater energy efficiency.

Eagle Roofing Products offers the best warranty in the industry. This Lifetime Transferrable Limited Product Warranty covers structural integrity and specific manufacturing defects of the individual tiles at no cost. For complete warranty information, visit: www.eagleroofting.com



Asphalt Shingle

Asphalt shingles are easily damaged by high winds, especially after they age, dry out, lose granules and crack.

Asphalt shingles are not resistant to extreme temperature variations, lending to cracking and loss of color as they are dependent upon granules that are temporarily adhered to the shingle.

According to a study performed by the National Association of Home Builders (NAHB) and Bank of America, an asphalt shingle roof will need to be re-roofed 3.75 more times within a 75-year period than a concrete tile roof.

Asphalt shingles are not distinctive and typically come in flat, non-dimensional sheet mats with little shape or texture variation.

Asphalt shingles are installed directly onto the roof deck with no room for airflow leading to rising attic temperatures and higher energy bills.

The base warranty for most asphalt shingles varies by company and product category. For warranties lasting 25 years or more, most are prorated and usually require a considerable upcharge depending on the coverage desired.

10 MILLION TONS OF NON-BIODEGRADABLE ASPHALT SHINGLES END UP IN LANDFILLS EVERY YEAR.



Comparing Concrete Roof Tile to Clay Roof Tile



Concrete roof tiles are shaped and molded to resemble styles of traditional clay, wood shake, and slate, and are available in a multitude of colors in each profile.

Concrete roof tile's inherent reflective properties allow for the tiles to reflect sunlight and release heat for greater energy efficiency instead of absorbing it and transferring it from the roof deck and into the structure.

According to a study performed by the National Association of Home Builders (NAHB) and Bank of America, a concrete tile roof is the most cost-effective roofing material available.

Concrete roof tile is 30-50 percent less expensive than clay when it comes to both product and installation costs.



Clay roof tile comes in many sizes and colors; however, their historical reputation and greater color availability in barrel shapes often limits the product to Spanish or Mediterranean architectural styles.

Clay roof tiles do possess inherent cooling properties, but often times mature to a darker, richer shade over time, which can decrease their energy efficiency.

According to a study performed by the National Association of Home Builders (NAHB) and Bank of America, the cost of a clay tile roof is **nearly double the cost** of a concrete tile roof and is one of the most expensive roofing materials you can get.

Comparing Concrete Roof Tile to Wood Shake



Concrete roof tiles are made from a natural mixture of cement, sand, water, and oxide; all of which are in plentiful supply.

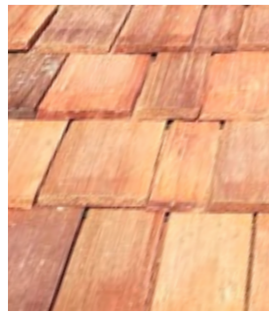
Concrete roof tiles have a proven historical record and are known to last the life of the structure they're installed on.

Concrete roof tiles require low maintenance throughout their lifespan.

Concrete roof tiles are available in various profiles, including those that emulate wood shake, providing a classic look with improved durability and cost effectiveness.

Concrete roof tiles are among the most effective roofing materials against severe fire exposure with a Class A roof assembly.

In an instance where multiple pieces of concrete roof tile are cracked or damaged, they can easily be removed and replaced.



Wood shakes are more expensive and cost more to install when compared to concrete roof tile. In addition, availability of the wood is dependent upon maintained forests.

According to a study performed by the National Association of Home Builders (NAHB) and Bank of America, wood shakes have a life expectancy of 30 years.

Wood shakes require greater maintenance due to their tendency to mold, rot and split.

Wood shakes have little to no versatility in profile and color availability.

Treated wood shakes are effective against moderate fire exposures, commonly given a Class B fire rating; whereas untreated wood shakes provide only light fire protection with a Class C fire rating.

Wood shakes are installed by nailing one piece over the other in a stacking-like fashion. If there are an abundance of damaged wood shakes, the entire roof may need to be replaced.

Comparing Concrete Roof Tile to Natural Slate



According to a study performed by the National Association of Home Builders (NAHB) and Bank of America, **concrete roof tile** is the least expensive roofing material over its lifespan.

Concrete roof tile manufacturers offer lightweight concrete roof tiles* with the same durability, appeal and sustainability that conventional weight products provide.

Concrete roof tiles are available in various profiles, including those that emulate natural slate, providing an alternative that is lighter in weight and more cost effective.

In an instance where multiple pieces of concrete roof tile are cracked or damaged, they can easily be removed and replaced.

**Available in select regions.*



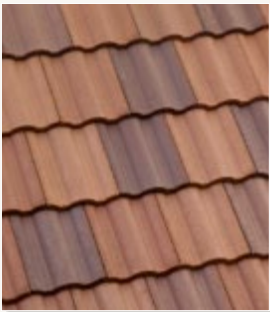
According to a study performed by the National Association of Home Builders (NAHB) and Bank of America, **natural slate tile** is 5.5 times more costly over its lifespan than concrete roof tile due to its high upfront costs. **It is the most expensive of all roofing materials.**

Natural slate tiles are extremely dense weighing upwards of 1,500 pounds per square (100 sq. ft.) and often require reinforced roof framing prior to installing.

Natural slate tile is available in flat profiles only, resulting in little design versatility.

Replacing broken slate tiles can be difficult due to its complex installation and the fact that slate is manufactured in lots, and each lot is different due to raw materials. Thus, finding replacement tiles that match is nearly impossible.

Comparing Concrete Roof Tile to Metal Panel



Concrete roof tiles are hail/impact resistant.

Concrete roof tiles are easy to repair or replace since they are installed as individual pieces; not panels or sheets.

According to a study performed by the National Association of Home Builders (NAHB) and Bank of America, concrete roof tiles have a life expectancy of 75 years.

The raw materials of concrete roof tiles are naturally thermal resistant, reducing the amount of heat transferred to a building's attic by nearly 50 percent when installed properly.

Concrete roof tiles are manufactured using color-through methods, meaning the color (oxide) is consistent all the way through the tile; not just on top.



Metal roof panels are prone to aesthetically displeasing denting and scratching during inclement weather, such as hail storms.

Metal roofs installed in large panels or sheets are more difficult and more expensive to replace when damaged as opposed to a single tile.

According to a study performed by the National Association of Home Builders (NAHB) and Bank of America, metal roofs have a life expectancy of only 45 years.

Since metal expands and contracts in heat, a wavy affect may be caused on hot days.

Metal roof finishes that are painted may be prone to peeling, chipping, fading, scratching or chalking.

Eagle Roofing Products: **The Leading Manufacturer in Concrete Roof Tile**

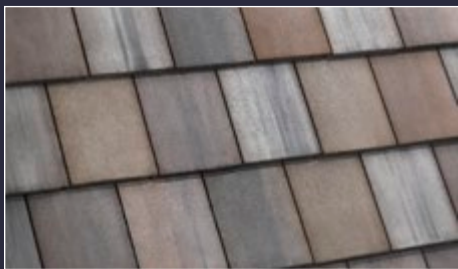
Founded in 1989, Eagle Roofing Products is a well-known and trusted concrete roof tile manufacturer that not only provides quality products with unmatched durability and sustainability, but also exquisite beauty. Available in a vast array of rich colors, striking profiles and contrasting textures, Eagle Roofing Products' concrete roof tile is sure to meet your residential or commercial design needs while exceeding your performance expectations.

Flat Profiles

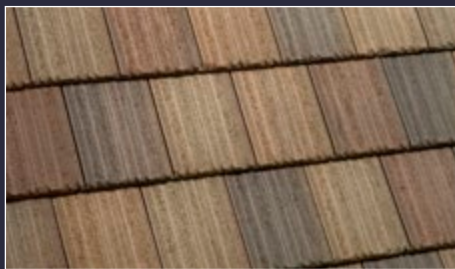
Limitless options without compromise, Eagle's flat tile profiles can emulate the texture and style of natural materials such as clay, wood shake and slate at a more affordable cost.



Ponderosa—SHP 8707 Sierra Blend



Bel Air—4883 Hillsborough Blend



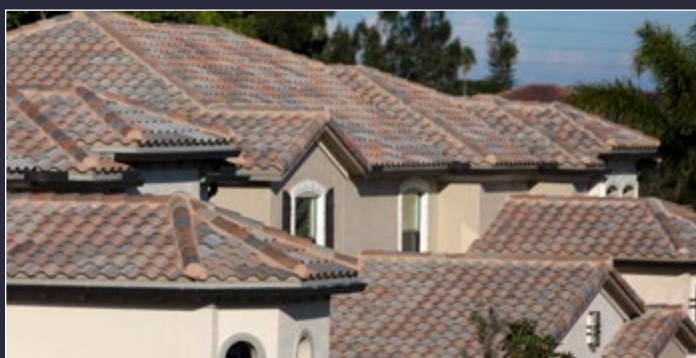
Ponderosa—5671 Village Blend



Tapered Slate—49602 Concord Blend

Barrel Profiles

Inspiration that will move you, Eagle's high and medium barrel shaped profiles can provide that Old-World look or fresh contemporary style to any residential or commercial structure.



Capistrano—3688 Buena Vista Blend



Capistrano—3773 Walnut Creek Blend



Capistrano—3626 Rancho Cordova Blend



Malibu—2634 Kings Canyon Blend

Eagle is Beauty, Strength and Endurance

When you choose a concrete roof tile from Eagle Roofing Products, you are choosing years of protection and peace of mind. Our tile is tested to the highest standards of the industry. A properly installed Eagle tile roof will withstand the elements through rain, snow, high wind and scorching heat—outperforming all other roofing products, while remaining aesthetically stunning.



Fire Tested – Eagle Roof Tile is a Class A roof covering that will protect your home and personal property.



Hail/Impact Tested* – Concrete roof tile stands up to hail, as well as or better than, any other roofing product. Some insurance companies offer discounted premiums for houses with tile roofs because of its impact resistance. **Arizona and Florida manufactured tiles only.*



High Wind Tested – Installed correctly, Eagle Roof Tile can survive the strongest storms and harshest weather. Eagle tile is tested and approved for use in the Miami Dade high velocity hurricane zone, withstanding sustained winds of up to 180mph.



***Freeze Thaw Protection** – Eagle Roof Tile passes Freeze-Thaw requirements.
**Excludes color bonded/slurry tiles.*

Eagle Concrete Tile Roofs Can Help Projects Achieve LEED Credits

Eagle concrete roof tiles are sustainable products that qualify for various LEED rating points. Our tiles are a natural, proven choice and can play an important role in helping projects achieve LEED certification for green buildings, homes and neighborhoods as our product is: more energy efficient and water efficient than other roofing products, is more durable, requires less maintenance, is recyclable, as well as contains pre-consumer recycled content.

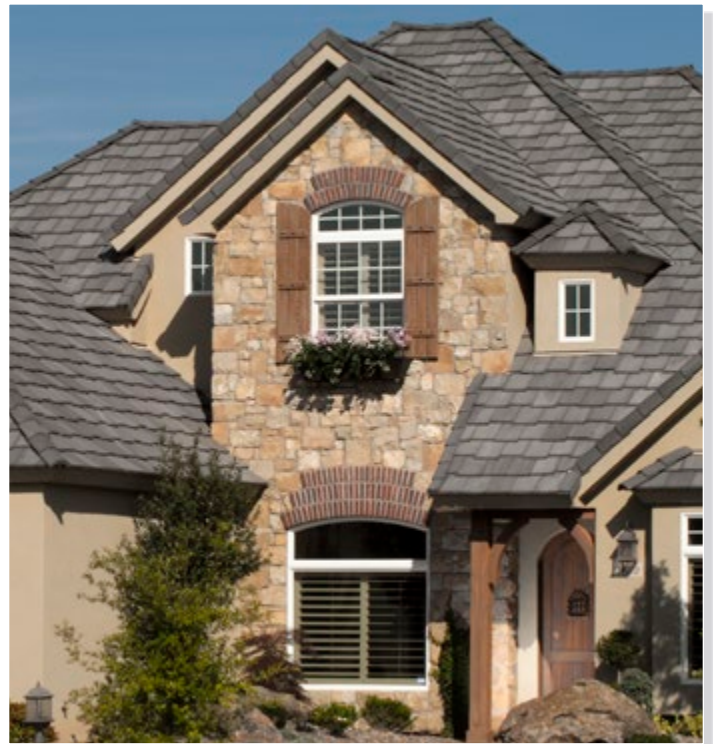
Eagle Concrete Roof Tile contributes to LEED V4 Credits

Meeting the U.S. Green Building Counsel's Leadership in Energy and Environmental Design (LEED) Program [www.usgbc.org] in:

- SS – Heat Island Reduction LEED v4
- EA – Optimize Energy Performance LEED v4
- MR – Construction Waste Management LEED v4
- MR - Building Product Disclosure and Optimization: Material Ingredients (Health Product Declaration) LEED V4

Eagle Roofing Products stands at the forefront of sustainability in offering our customers product transparency. Our HPD is available on the HPD Public Repository:

<https://hpdrepository.hpd-collaborative.org>



Eagle Design Centers & Manufacturing Facilities Servicing the United States and Canada

Whether you are an Architect, Builder, Designer, Distributor, Roofer or Homeowner, with four manufacturing plants servicing the United States and Canada, our customers can rest assured that we can provide the highest quality roofing materials and components to meet their needs. Durable, sustainable products and lasting customer relationships are the core of our business. That's what inspires us to be your company of choice. **That's what makes us different.**



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