

REASONS WHY CERAMIC TILES ARE A SUSTAINABLE BUILDING MATERIAL

BY HERITAGE CERAMICS

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Ceramic tile is a great choice when it comes to building materials. They are **durable, long lasting and easy to maintain**. These benefits make them an excellent option for both residential and commercial spaces alike.

However, not all types of ceramic tiles are created equal when it comes to sustainability.

In this article we'll explore why ceramic tile is a better choice over other building materials in terms of sustainability!

01. REDUCING CARBON FOOTPRINT

Using sustainable materials can help mitigate the environmental and social costs of generating, transporting and using products. Using green building materials like natural stone, cement tiles and terracotta flooring could help reduce your carbon footprint.

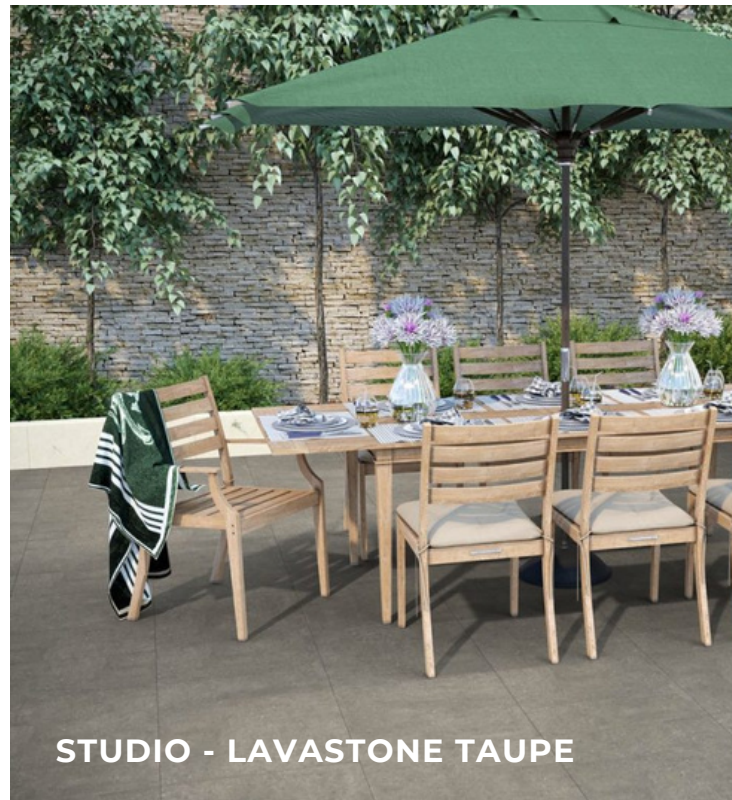
For example, tile floors are made from natural materials that are widely available in most countries. The **greenest types of flooring** are ceramic tiles and stone tiles as these are not manufactured from raw materials that require energy to obtain, such as fossil fuels or minerals.

It has a significant carbon footprint because they must be quarried from natural deposits or mined.

Natural stones and tiles also require a lot of energy to be transported, installed and maintained.

Ceramic tile has no inherent environmental impact in its production process as it's made with clay-based material instead of stone or concrete like other building materials do.

In fact, ceramic tiles are one of the most Environmentally Friendly choices when compared with other building materials which releases carbon dioxide into our atmosphere during manufacturing processes (wood is naturally grown on trees).



STUDIO - LAVASTONE TAUPE

02. CERAMIC TILES ARE SUSTAINABLE BUILDING MATERIAL AND CAN BE RECYCLED AT THE END OF ITS LIFE CYCLE.



SHAPE - MOONSTONE GREIGE

At the end of its life cycle, discarded or removed tiles can be recycled as hardcore for concrete.

Hardcore refers to a heap of solid materials obtained from quarry waste, old building bricks, tile slabs and other crushed gravel (generally broken bits of concrete), stones and bricks which do not deteriorate or absorb water.

03.

CERAMIC TILE REQUIRES ONLY FIVE TO SEVEN PERCENT OF THE ENERGY NEEDED TO PRODUCE

As a building material, ceramic tile requires only five to seven percent of the energy needed to produce other comparable materials (like marble).

Marble and granite take up to 20 times more energy than ceramic tile does.

For example, if you compare the production process of ceramic tiles with that of marble or granite, ceramic tiles require only 5-7% as much fossil fuel as these other materials do - which means less pollution and less greenhouse gases released into the atmosphere from mining operations!

In fact, ceramic tile production produces less than one-tenth of the CO2 emissions associated with producing concrete.

This is why it's such an environmentally friendly choice for those looking to build a new home or remodel their existing space.



SHAPE - ZEUS SMOKE

04.

CERAMIC TILES HAVE A LARGE NUMBER OF SUSTAINABLE FEATURES AND BENEFITS

Ceramic tiles have a large number of sustainable features, as well as benefits like low maintenance and durability.

These benefits make them a good choice for green buildings. Tiles are made from clay, which is a renewable resource that can be mined or reused over and over again.

The durability of ceramic tiles means that once installed on your bathroom walls or floors there will practically never need replacing (unless something happens like someone bumps into them).

Ceramic tiles also does not break down after being exposed to moisture in bathrooms and they don't come apart easily like other materials do (like wood).

05.

CERAMIC TILE IS ONE OF THE MOST SUSTAINABLE BUILDING MATERIALS ON THE MARKET TODAY

Ceramic tile is one of the most sustainable building materials on the market today.

It's made with natural materials that are abundant in our earth, such as clay and sand, which means they don't release volatile organic compounds into your home or office space.

Ceramic tiles also last longer than other flooring options because they're made to withstand heavy traffic over time—and if you choose to replace them after 10 years or so, they can be recycled again and again without compromising their quality.



06.

CONCLUSION

As you can see, there are many reasons to choose sustainable tiles for your home.

From the initial cost savings to the health benefits and the environmental impact, sustainable tiles are a great choice for any homeowner.

Do your research and find a reputable dealer of sustainable tiles to get the best possible product for your home. You'll be glad you made the switch to sustainable tiles!

You can visit our website www.heritageceramics.com and find out more about sustainable tiles.



Heritage Ceramics will be participating in this year's SME Centre Conference 2022: Navigating the Future of Sustainability.

Jointly organised by SME Centres and supported by Enterprise Singapore, the SME Centre Conference is an annual event that aims to address some of the challenges faced by the SMEs.

This year, the conference seeks to highlight current trends in sustainability, and how businesses can leverage opportunities to grow and stay ahead of the sustainability curve.

Stay tuned for more updates, coming soon.



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