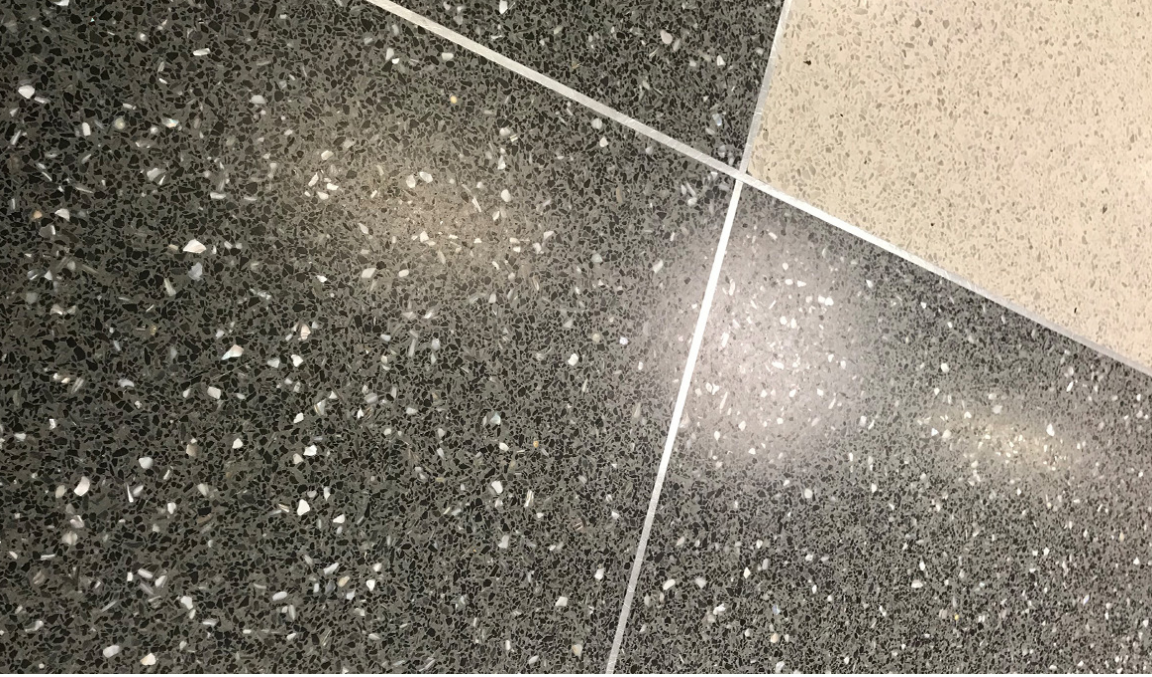


Is Epoxy Terrazzo Right for Your Building Projects?





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— WHAT IS EPOXY TERRAZZO?

Epoxy terrazzo is a 1/4" or 3/8" resin system comprising of decorative aggregates binded to an epoxy matrix to form the best thin-set terrazzo system.

Today epoxy terrazzo accounts for approximately 90% of terrazzo installations. Architects specify epoxy terrazzo in schools, hospitals and airports today for its durability, sustainability, and ease of maintenance. The custom nature of epoxy terrazzo allows for all types of colors and patterns to be designed into flooring, stairs, walls, countertops and other hard surfaces. From a construction standpoint, epoxy terrazzo is quick to install and easy to use, and can be applied over concrete slabs in new construction buildings or existing flooring systems in renovation projects. Once installed, an epoxy terrazzo provides a long-lasting and cost-effective flooring solution for indoor spaces.

EPOXY TERRAZZO FLOOR CHECKLIST

Considering epoxy terrazzo for your new construction or renovation project? We'll guide you in determining if epoxy terrazzo is right for you with several key questions to ask yourself

— Is Your Project Indoors?

YES **NO**

Epoxy terrazzo applications are for indoor use only.

— Does Your Space Have High Traffic Areas?

YES **NO**

Epoxy terrazzo can hold up to heavy foot traffic with minimal repairs and no replacement during its flooring lifecycle.

— Are You Looking for a Long Lasting Floor?

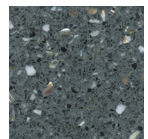
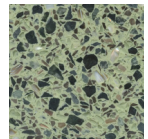
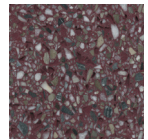
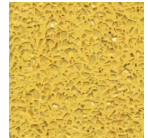
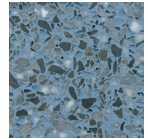
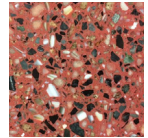
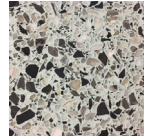
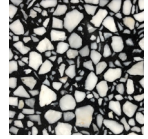
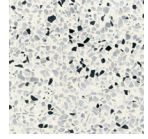
YES **NO**

Most flooring systems will need repairs or replacements during its lifecycle. On the other hand, epoxy terrazzo is durable and longlasting, with studies confirming that a terrazzo floor is capable of lasting over 100 years with proper care.

— Are You Looking for an Easy to Maintain Floor?

YES **NO**

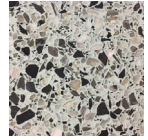
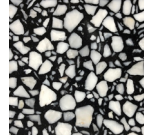
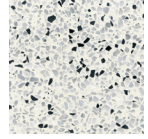
The smooth polished surface of epoxy terrazzo is easy to clean, antimicrobial, and stain resistant. These factors contribute to the low maintenance costs of terrazzo compared to other flooring options.



— **Are you Looking for a Cost-Effective Floor?**

YES NO

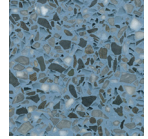
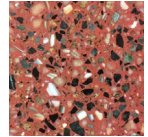
If a project has a budget to include epoxy terrazzo floor, then the flooring system provides a great investment for any building property throughout its lifespan, with owners seeing immediate savings on annual cleaning and maintenance. Epoxy terrazzo is considered the most cost-effective flooring system for commercial buildings.



— **Do You Need Floor Customization Options?**

YES NO

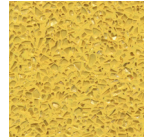
Epoxy can be tinted in virtually any color leading to unlimited design combinations when paired with marble, glass, shells and other decorative aggregates. Architects can design classic or artistic floor designs with epoxy terrazzo matching the design intent.



— **Is Indoor Air Quality Important?**

YES NO

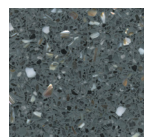
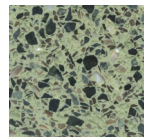
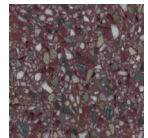
Epoxy terrazzo contains zero VOCs. This improves the overall air quality of indoor settings, with positive effects on the health and comfort of building occupants.



— **Is Sustainability an Important Part of Material Selection for this Project?**

YES NO

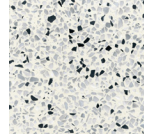
Recycled contents such as post-industrial and post-consumer marble and glass chips, VOC-free epoxy resins, and recycled divider strips are considerations for a sustainable epoxy terrazzo system.



— **Is Acoustics Important?**

YES NO

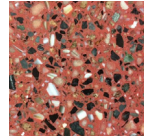
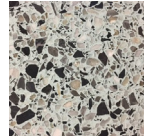
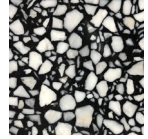
The seamless nature of epoxy terrazzo supports quiet environments, reducing sound transmissions.



— **Are You Looking For a Quick Installation?**

YES NO

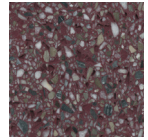
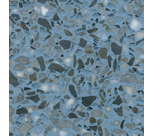
Procurement of materials is accessible through suppliers across the United States. Terrazzo has the quickest installation times between pouring and grinding, where epoxy will cure in 24 hours or less. Most projects can be turned around in 10 days or less depending on the project size.



— **Does the pairing of epoxy terrazzo floors with stairs, wall base, countertops, or wall system interest you?**

YES NO

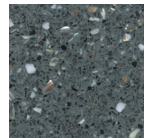
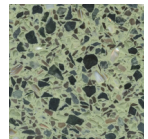
There are more ways to include terrazzo in your project besides terrazzo. By integrating epoxy terrazzo into multiple elements of a project, architects can offer clients a holistic design solution that combines beauty, functionality, and longevity. This approach provides design continuity that enhances the overall space.



REVIEW

By answering yes to all or most of the questions listed, your project is a great fit for epoxy terrazzo.

Speaking with a terrazzo representative can help you sort the technical details and design aspects of your project. Concord Terrazzo Company representatives provide expertise in discussing terrazzo solutions that leads to a successful installation.



Benefits of Epoxy Terrazzo

Epoxy terrazzo has emerged as a top flooring system for commercial, hospitality and institutional buildings. Its popularity among architect and designers is attributed to being a high-performing and cost-effective solution with excellent design potential. It's truly a one-of-a-kind flooring system.

Durability

Once set, epoxy terrazzo is built to last. Epoxy resins support high compressive, flexural and tensile strengths, making epoxy terrazzo a common surface in high traffic locations such as airports, schools, and hospitals. Terrazzo offers longer flooring life-cycles compared to traditional flooring materials. Recent times have shown older buildings uncovering carpet to reveal a terrazzo floor underneath, which can be refinished at a fraction of the cost of the new installation.

Low Maintenance

Seamless terrazzo flooring allows for easy cleaning and sanitizing. Regular routine cleaning will keep the terrazzo well-maintained.

Epoxy terrazzo is nonporous and does not allow for the growth of bacteria and mildew either. This prevents dirt and grime from building up as there is no seams in an epoxy terrazzo floor.



Design Flexibility

A terrazzo floor is left to the imagination of a designer. Designers have endless options to select among a wide color palette and aggregates. From elegant floors to artistic designs featuring logos and graphics, terrazzo enhances the aesthetics of any indoor space.

Designers can find unique ways to utilize terrazzo that includes branding and wayfinding opportunities. Terrazzo can also be integrated into architectural features like countertops and stair treads that complement the floor design.

Terrazzo plays a role in transforming floors into meaningful and beautiful spaces, where each color and shape forms a lasting legacy for today's schools, hospitals, airports and other modern buildings.

Sustainability

Terrazzo is a sustainable flooring system, that can consist of post industrial and post consumer marble and glass aggregates combined with VOC-free epoxy resins. These attributes contribute to U.S. Green Building Council's (USGBC) credits under the LEED rating system.

Speaking longterm, terrazzo benefits the overall health of building occupants with no harmful gases, and its durability offers long lasting floors able to be recycled and reused again, which ultimately helps to reduce landfill waste.

TERRAZZCO Brand epoxy emits zero chemical emissions. Along with recycled materials, an epoxy terrazzo floor consisting of TERRAZZCO products helps architects and contractors meet sustainable goals.





— HOW TO MAINTAIN COSTS

During the life of a building, the total cost of flooring can cost 35 times the initial installed cost. Epoxy terrazzo can produce longterm savings for building owners.

When selecting a flooring system, products with low initial costs are weighed against products with high initial costs. Industry studies prove that flooring systems with high initial costs like epoxy terrazzo, can bring the best return on investment for commercial properties when lifespan, durability, and maintenance are closely reviewed. It is suggested to select flooring that best aligns with the life expectancy of a building space. Properties lasting over a decade can find epoxy terrazzo to be an attractive option. Terrazzo experts can discuss possible solutions with architects and designers that helps manage the cost of their flooring system.

Ways to Manage the Cost of Terrazzo

Epoxy terrazzo offers the lowest lifecycle costs of any floor finish. When planning a terrazzo project, recognizing cost factors can help you determine whether epoxy terrazzo is right the building space.

Initial Costs

The initial cost to install epoxy terrazzo in commercial buildings is comparable to other durable flooring options.

Materials

Selection of materials can effect costs. Aggregates such as marble and granite chips can keep costs low, whereas glass and Mother of Pearl chips can increase costs. Consider divider strips as well. Aluminum divider strips are more affordable than zinc and brass.

Floor Design

Savings can occur during the design phase. Designs consisting of one or two colors will cost less than terrazzo floors with multiple colors or with custom logos and patterns. Custom designs serve as focal points near building entrances or central areas. Keeping designs simple in hallways, restrooms, and stairwells can reduce initial costs to install terrazzo.

Installation

Professional installation is recommended. Epoxy terrazzo has the quickest installation pour-to-grind time of any terrazzo system, and once cured can be walked on in 24 hours or less. Precast stairs and wall base are pre-finished for easy installation as well.

Project Size

Costs estimates for epoxy terrazzo can vary depending on project size. More space required for epoxy terrazzo can lower the installation costs per square ft of terrazzo.

Maintenance Costs

Epoxy terrazzo is simple to clean with daily dust mopping and weekly damp mopping to remove dirt and debris. In addition, bacteria and mold is less of a concern with epoxy terrazzo floors. Epoxy resins can have include an antimicrobial additive. Overall costs to maintain terrazzo is lower than other flooring finishes.



CASE STUDY: **THE MOST COLORFUL PLACE IN ORLANDO**

Mango's Tropical Cafe Orlando, saw an opportunity to attract conventioners and leisure guests along International Drive in Orlando, FL. Today, Mango's Orlando is one of the highest-grossing restaurants and nightclubs in the country. At Mango's Orlando, guests can experience live entertainment, dining, nightlife, and even the terrazzo floors.

The inspiration for the terrazzo floor's came directly from the owner. The terrazzo floor had to live up the

energy of the space, that invites guests to "Come Fall in Love". The terrazzo floor incorporated lips and hearts flowing seamlessly from area to area. The logo is featured in central areas, and even terrazzo greets visitors from the outside entrance.

The design supports the owners vision to create the very best nightlife and entertainment venue Orlando has to offer.





CASE STUDY: **AIRPORT FOCUSES ON THE FUTURE**

Passenger traffic has grown consistently over the past decade, leading airports to think about the future. At Augusta Regional Airport in Augusta, Georgia, \$18 million dollars was set for the Advancing and Growing Stronger Initiative. The campaign focused on customer-centric improvements to the airport replacing aging carpet with new terrazzo flooring. New amenities and upgrades were planned for the airport. Why was terrazzo selected? Officials stated that in regards

to terrazzo, from an appearance standpoint, it looks better. From a maintenance standpoint, it is easier to maintain. By replacing carpet with epoxy terrazzo, the airport will save on annual cleaning and maintenance costs. Additionally, the terrazzo floors create a better passenger experience over carpet as it's easier to stroll luggage across the floor. This commitment to passengers aims to enhance the perception of the airport, which influences how the city is perceived as well.



NEXT STEPS

Listed are actionable steps architects and designers can take when considering adding epoxy terrazzo to a project.

Speak with a Representative

Every project is unique. Manufacturer representatives are industry experts that can assist architects in finding the right product solutions for a project. They can answer technical questions or provide more education about epoxy terrazzo.

Review Product Data and Design Ideas

Manufacturers list product data and imagery on their websites to help architects and designers figure out the problems they are looking to solve, and display the flexibility of the building material.

Select Samples

Architects can acquire product samples from terrazzo manufacturers to see, feel and understand the material better. Samples are customizable with endless outcomes, and can help architects address any durability and aesthetic questions they may have.



In Conclusion

For architect's and designers, terrazzo is a cost effective solution with great design potential. Focus on sustainable and resilient designs has led to an increased use of epoxy terrazzo, with predictions estimating annual installations to reach 400 million square ft over the next several years.

Whether designing a new construction or renovation, epoxy terrazzo delivers on aesthetics and performance where a durable and low maintenance is required.

Concord Terrazzo Company is a terrazzo supplier that can assist you in developing a quality hard surface finish using TERRAZZCO products.



CONCORD TERRAZZO COMPANY

1709 University Commercial Place
Charlotte, NC 28213
Phone: 704.921.4928
info@terrazzco.com
www.terrazzco.com

Find us on Social Media:

