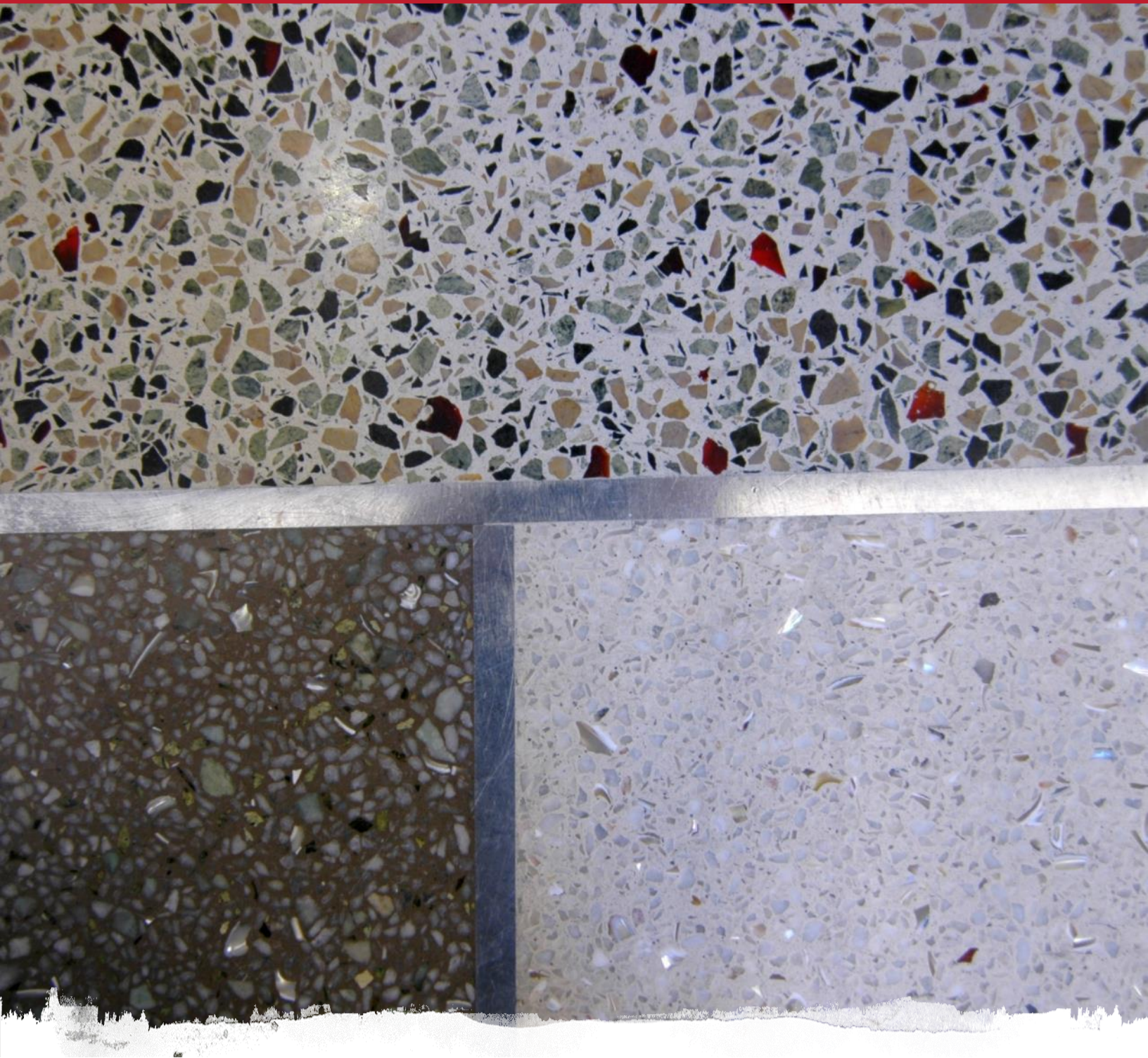




Terrazzo Information Pack for Professionals

Andreola
TERRAZZO & RESTORATION, INC

AndreolaTerrazzo.com



What is Terrazzo?

- Terrazzo is an attractive, durable, environmentally friendly composite material used for flooring, base, stairs, countertops, benches, and other custom products such as tables, medallions, backsplashes, wall panels, and tiles, and even lamps.
- Terrazzo consists of chips of granite, glass, serpentine, marble, quartz, shells, and other aggregates set in concrete or epoxy. These are blended and finished to produce surfaces with a smooth texture that will last for many years.



Why Terrazzo?

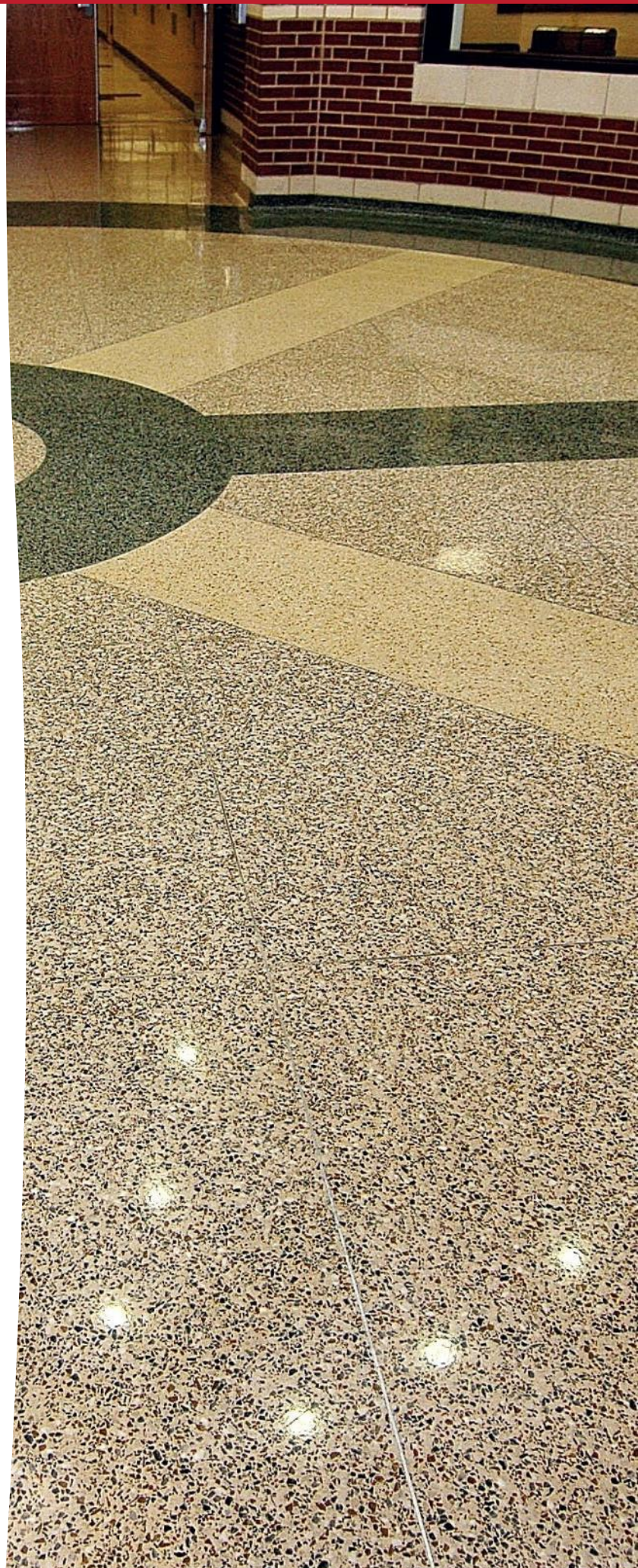
Design Capability

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Design Capability

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- Divider strips, generally made of zinc, aluminum, or brass, are used to shape the layout and separate any change of color in the design.
- Terrazzo allows for an endless range of colors and designs.
- Intricate logos can be integrated down to the last detail and match any color.
- Different sizes of aggregate particles can be used to customize the look of terrazzo.
- Epoxy terrazzo offers a full range of custom colors.
- Cementitious terrazzo also provides a broad range of colors, although not as vivid as those available in an epoxy base.



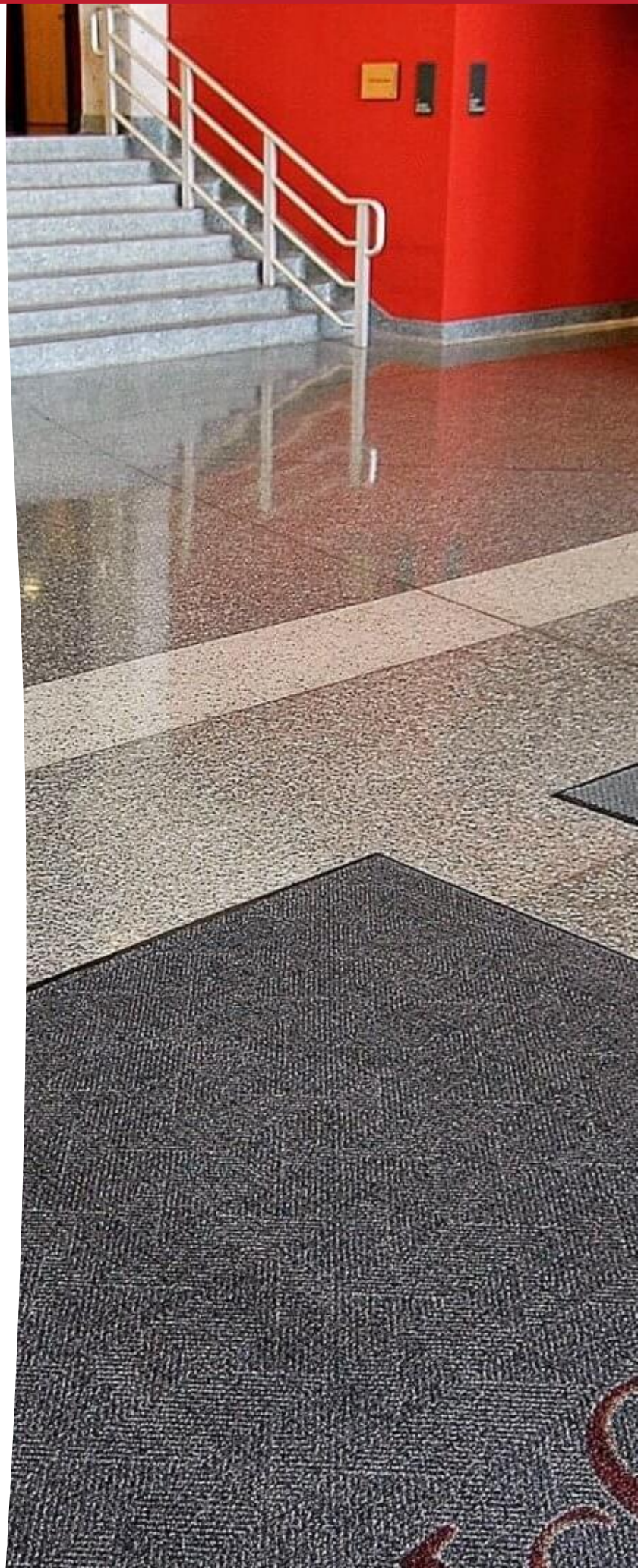
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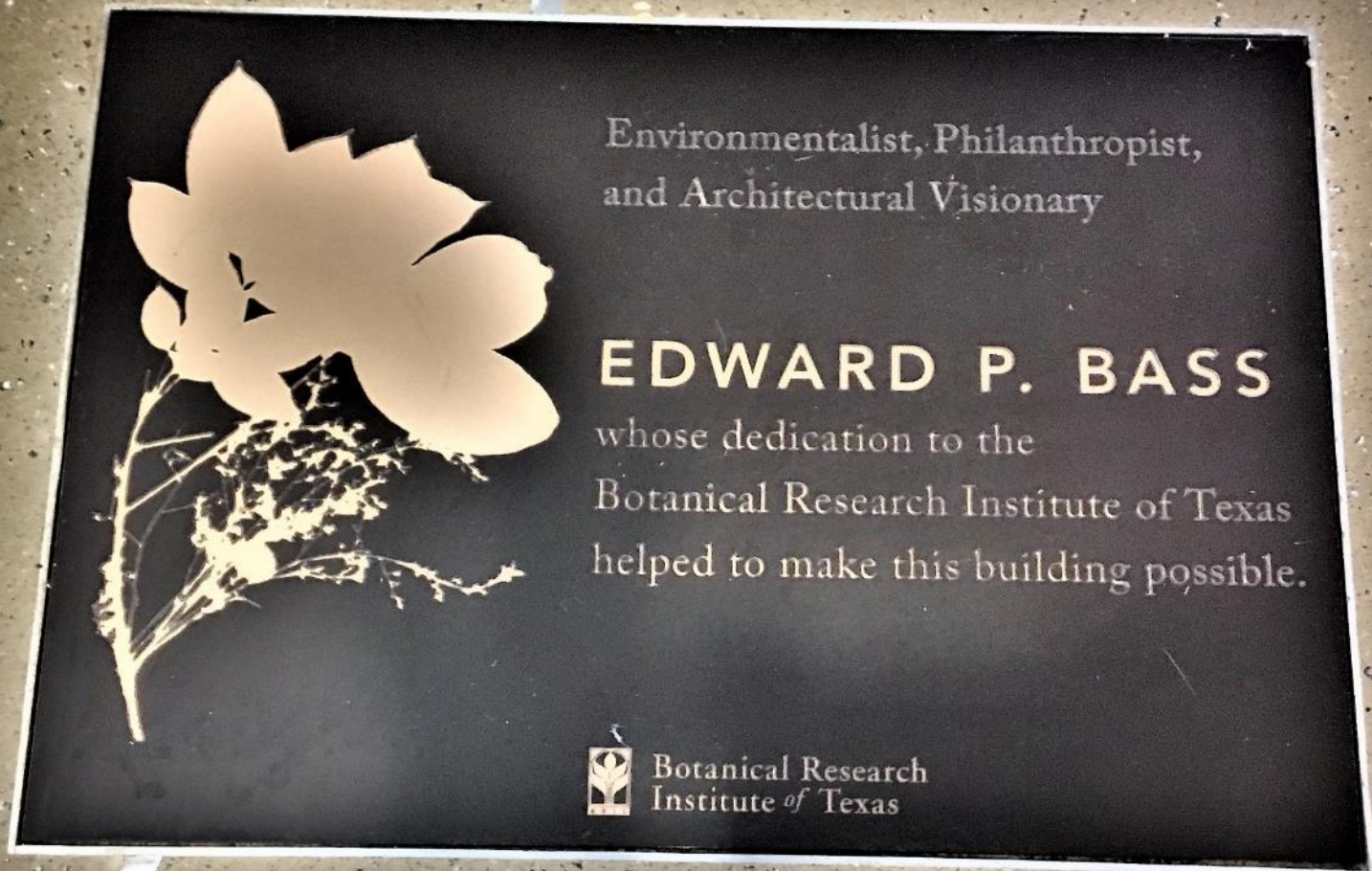
Strength

- Terrazzo is a hard, durable, impact-resistant, and abrasion-resistant surface suitable for high pedestrian traffic. Epoxy terrazzo has a compressive strength of 10,000 psi; cementitious terrazzo's compressive strength is generally 4,500 psi.

Durability

- Terrazzo flooring can be expected to last for the lifetime of the building in which it is installed, and often "outlives" the building. With proper care, a terrazzo floor can be expected to last between 75 and 100 years.
- Properly sealed, terrazzo is impervious to stain and water damage.
- It is highly durable, even in the face of storms and other natural disasters.
- One 90,000 square foot school in Ottawa, Illinois built in 1947 was flooded in the wake of Hurricane Ike. While the floodwater destroyed wiring, equipment, doors, furniture, and most other items in the school, the original terrazzo flooring that had been installed in the corridors remained perfectly intact.





Why Terrazzo?

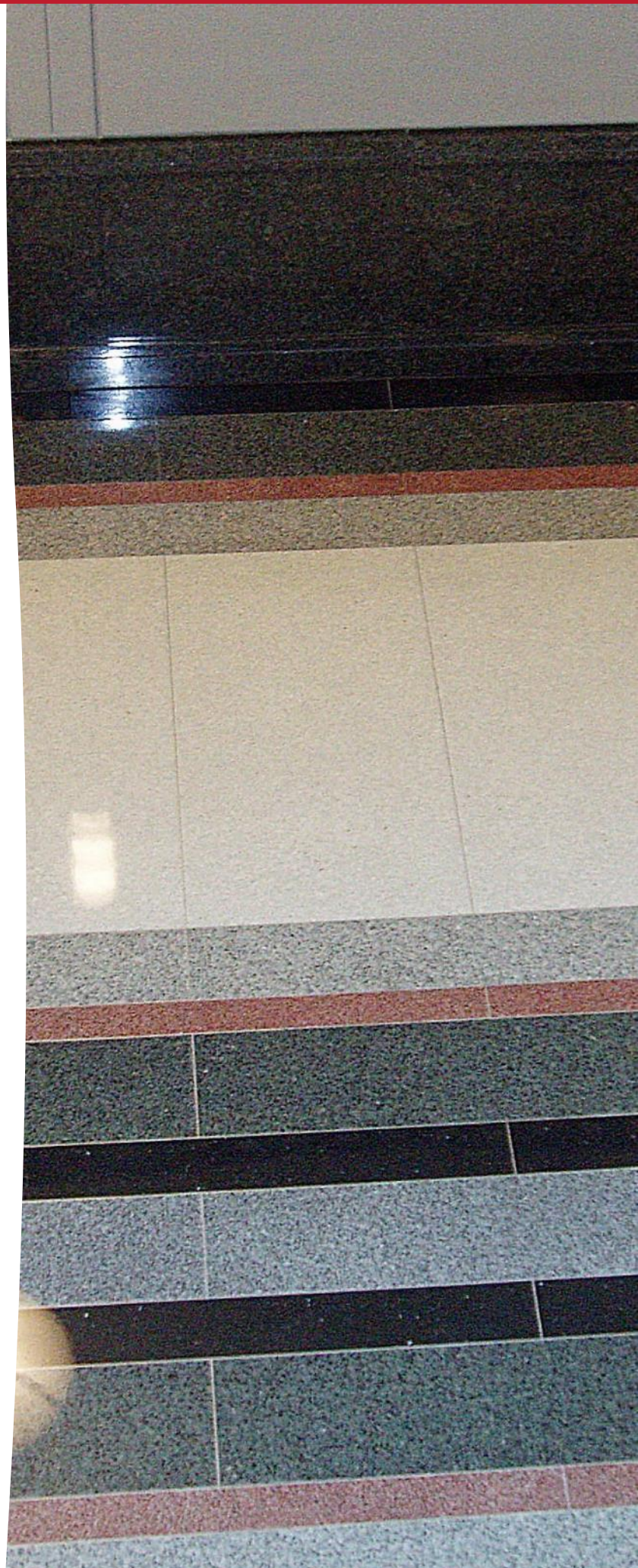
Environmentally Friendly

- The aggregates used in terrazzo are “recycled” chips of substances such as shells, granite, and marble, and post-consumer glass. Epoxy is low VOC and once polymerized is inert. Epoxy terrazzo is often used in green buildings.

Why Terrazzo?

Low-Maintenance

- Another environmentally sound feature of terrazzo is that it is remarkably easy to clean and maintain using earth-friendly products.
- When dealing with dirt and debris from normal foot traffic, the floor should be swept, or dry dust mopped regularly.
- Liquid spills such as coffee, water, ketchup, and other liquids can be simply wiped up.
- Terrazzo flooring can be cleaned with a broom, and then damp-mopped with plain water.
- A neutral cleaning solution (one that is neither acidic nor alkaline) can be used to clean anything sticky from the floor.
- Acidic or alkaline cleaners should not be used on terrazzo as they will eventually dull the shine of the terrazzo.
- Bleach will immediately dull the shine and should likewise never be used.



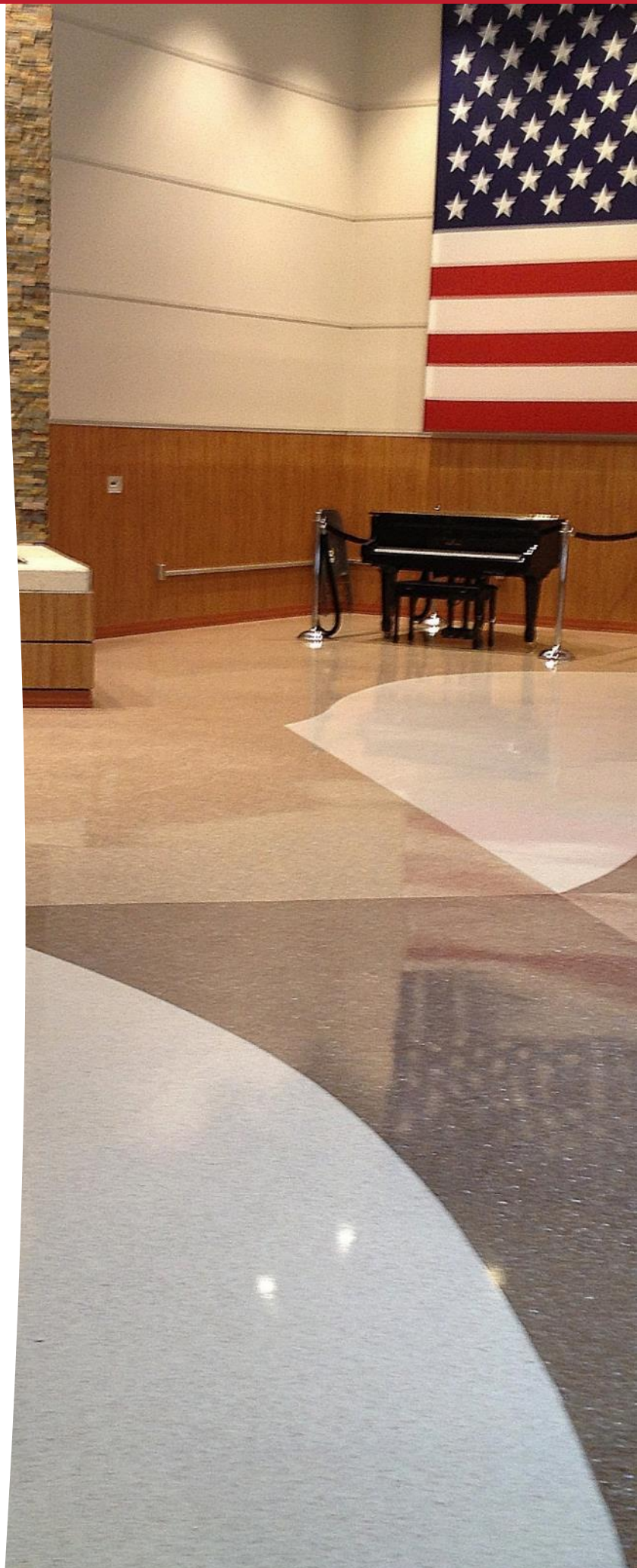
How Does Terrazzo Compare to Marble or Granite Flooring?

- Marble is a natural stone that has found a place in many buildings.
- Lights reflect beautifully on marble floors and can give the illusion that a room is more spacious than it is.
- Generally, marble floors cost more to install and maintain than terrazzo.
- They require regular polishing and maintenance to prevent them from losing their shine.
- Marble floors are susceptible to scratching and staining and can be slippery.
- Terrazzo floors are stain- and scratch-resistant and are finished to UL standards of slip resistance.



How Does Terrazzo Compare to Marble or Granite Flooring?

- Granite is the result of the exposure of igneous rock to intense heat.
- Granite flooring is robust and durable.
- It is also one of the heaviest and most expensive types of flooring available.
- There are different hardnesses of granite and there can be a big difference in damage resistance between premium granite and commercial grade granite.
- Granite floors should be sealed to protect against moisture and may need to be re-sealed once or twice a year.
- Durable, low-maintenance terrazzo provides elegance and a luxurious touch to any space, and at a fraction of the cost of marble or granite.



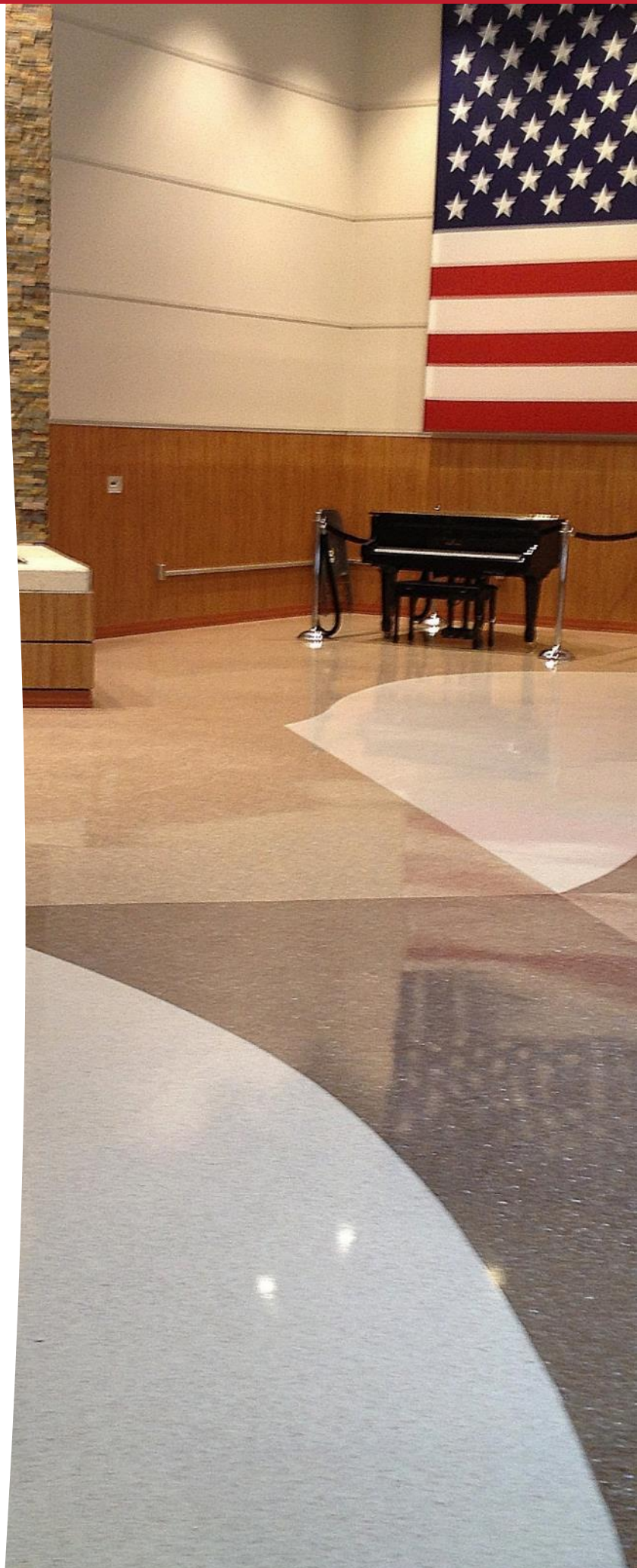
Cement Versus Epoxy Terrazzo

- Cementitious terrazzo flooring is the setting of the aggregates in cement.
- In comparison with epoxy terrazzo flooring, cementitious terrazzo is thicker, generally $\frac{1}{2}$ inch, and heavier making it the ideal choice in some applications.
- Cementitious terrazzo flooring offers a wide range of design options that feature various color schemes and Earth tones.
- Cementitious terrazzo offers a broad color palette, but the colors are not as vibrant as those of epoxy terrazzo.
- This type of terrazzo is significantly thicker than epoxy terrazzo and can withstand considerable impact once fully cured (about 14 to 28 days, depending on ambient temperature).
- Cementitious terrazzo is suitable for both indoor and outdoor applications and will withstand extreme UV-ray exposure.
- A vapor barrier is not required for cementitious terrazzo. If the substrate contains moisture, the moisture will travel harmlessly through unsealed cementitious terrazzo and evaporate.



Cement Versus Epoxy Terrazzo

- Epoxy terrazzo is composed of a mix of epoxy and aggregates bound in a thin-set system, generally to a thickness of 3/8 inch, depending upon the size of the stones used.
- The unlimited range of colors and intricate patterns provides infinite design capabilities.
- Epoxy terrazzo has the advantage of fast curing. You can expect a full cure in only 7 to 10 days.
- Epoxy terrazzo offers a glossy, non-porous finish.
- It is less likely than cementitious terrazzo to crack or chip over time.
- Epoxy terrazzo is not recommended for outdoor applications as excessive direct exposure to UV can damage the surface, as can moisture vapor transmission.
- If the substrate is wet or if it has not fully cured, moisture mitigation is needed to ensure an effective bond.



Precast Terrazzo

- Terrazzo can be poured or precast, depending upon the application.
- Precast terrazzo is created off-site by pouring the mix into a mold.
- The molds can be fabricated into many different shapes including curves and geometric forms.
- After the terrazzo has hardened, the mold is removed, and the piece is ground smooth and polished.
- Because the casting is done at the manufacturer's facility in a controlled environment, the quality of the finished product is assured.





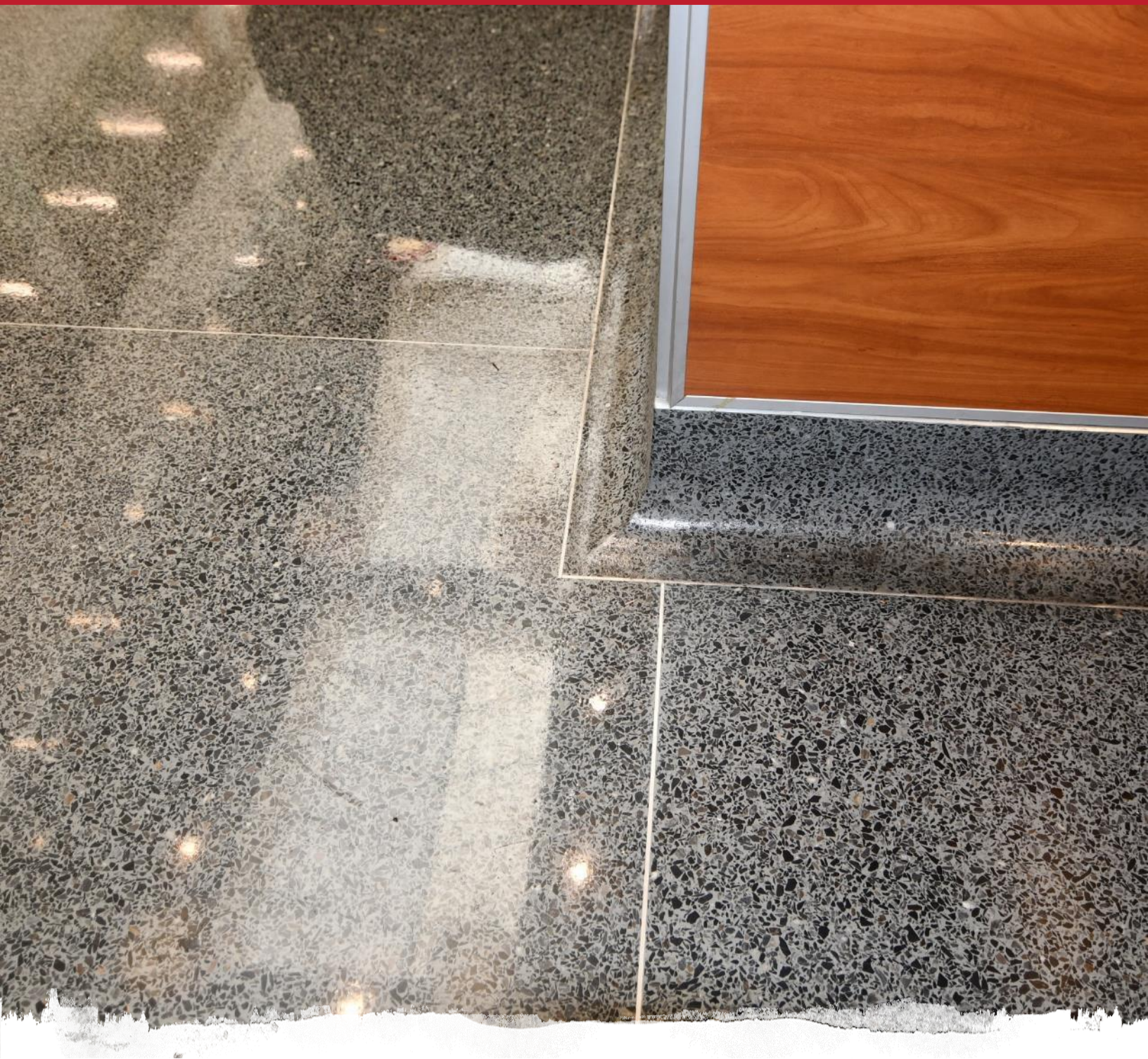
Precast Terrazzo

- One common application of precast terrazzo is stairs, including treads only, tread and riser, and treads with a different riser component. Terrazzo staircases can also be poured. Both poured and precast stairs can include features such as mixed color schemes, anti-slip strips, and inlaid patterns.



Precast Terrazzo

- Benches, countertops, and tables are also popular precast terrazzo items. Precast Terrazzo is perfect for commercial and institutional applications such as counters, desks, bar tops, and more. Decorative wall panels, medallions, and other design creations are also popular precast items.



Precast Terrazzo

- Floor bases either to match or to complement the floor can be made from precast terrazzo in cove or straight configurations.

Terrazzo Restoration

- Terrazzo is amazingly strong and durable, but terrazzo floors do occasionally need to be restored.
- If something very heavy is dropped on the floor, it could crack or chip.
- Most often the damage occurs during the redesign of a space where walls are moved and there are holes in the floor where the sill plates were.
- Unlike some other types of flooring, terrazzo does not have to be removed and replaced when it gets damaged.
- The damaged area is repaired using a mix of aggregates and colors to exactly match the floor, then the entire floor is ground and refinished.
- The length of time required to restore a terrazzo floor is dependent upon several factors such as the size of the area, the complexity of design, and the access, but restoration is generally complete within a few days to a week.





Polished Concrete

- In a setting where a hard surface floor is required, polished concrete is a lower-cost option for “dressing up” the floor. Polished concrete is often used in warehouses, but some schools and retail operations also select this budget-conscious option. When polishing concrete, some tints can be added although the colors are not as vivid as those available with epoxy terrazzo. The concrete can be polished to different degrees of sheen.



Case Studies

Following are a few of the successes we have enjoyed serving our clients...

Boerne City Hall

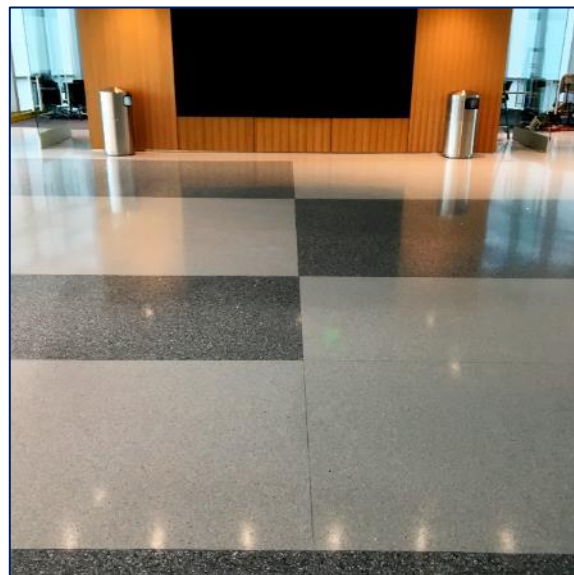
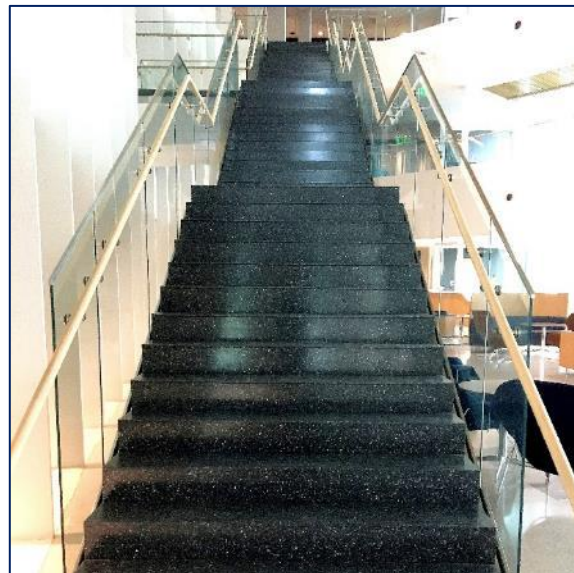
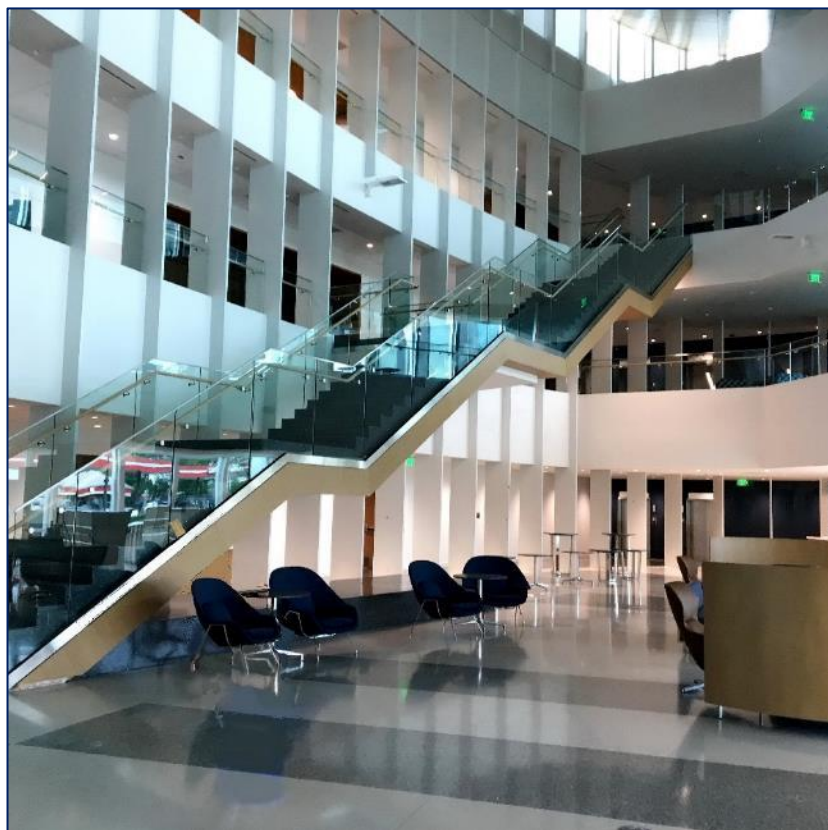
We provided 4,500 square feet of epoxy terrazzo flooring, treads and risers, and a custom logo at a newly constructed City Hall.



CASE STUDY

Dallas Brain Institute

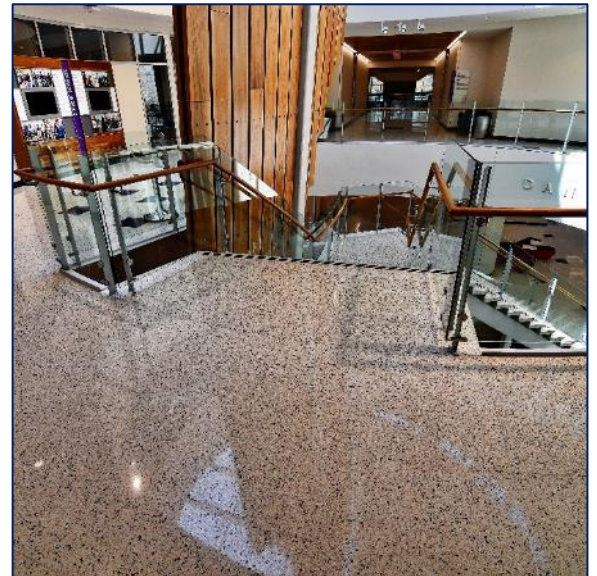
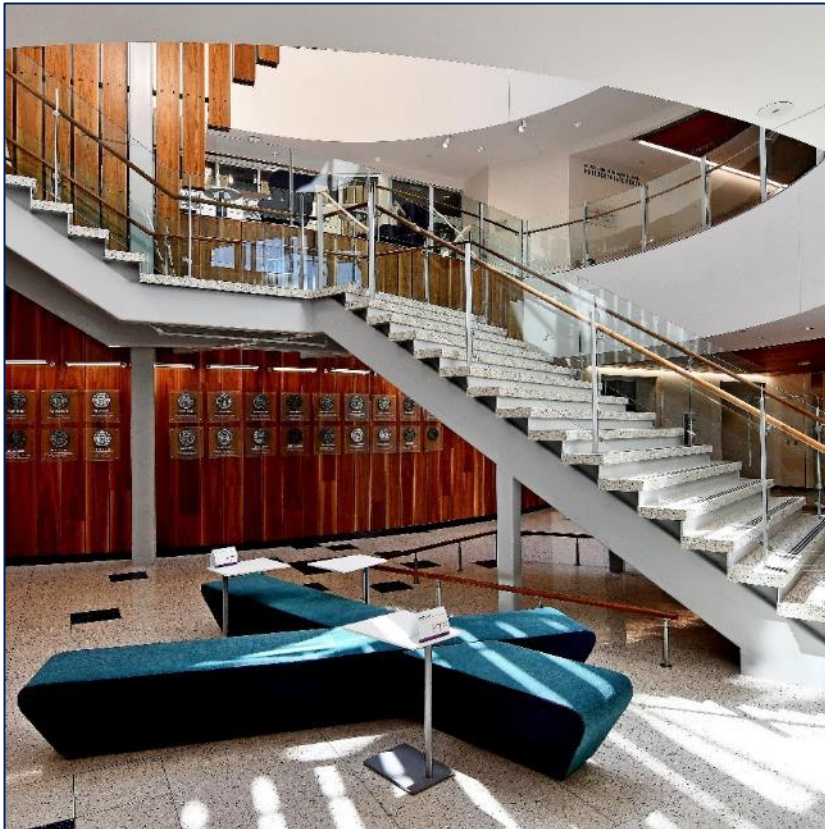
We provided two-color flooring and a precast staircase at the Dallas Brain Institute.



CASE STUDY

Dan G. Rogers Rotunda

Here we had 18,000 square feet of terrazzo flooring - white marble aggregate with purple chips, the school colors. Plus, a striking precast terrazzo structural staircase unique because it features wider treads at the bottom, narrowing as it ascends with a mid-landing connection to the second floor.



CASE STUDY

Dallas ISD Elementary School

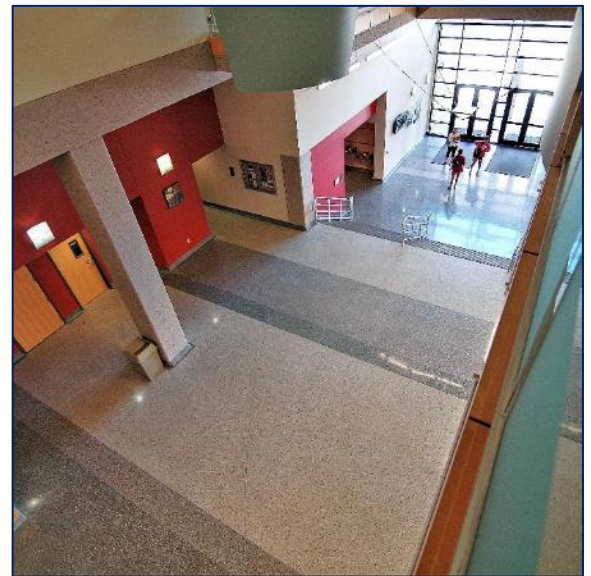
We completed work on the newly-opened school dedicated to Congresswoman Eddie Bernice Johnson. The terrazzo incorporates some remarkable design features such as a precast staircase inlaid with multiplication tables, and futuristic design of vibrant colors.



CASE STUDY

McCoy College of Business Administration

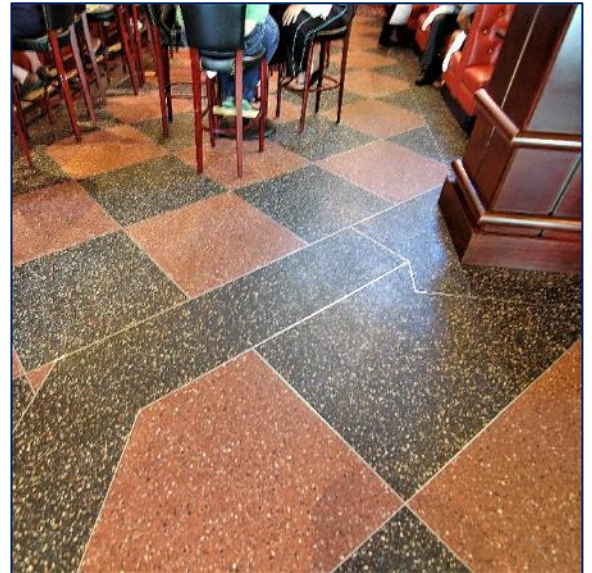
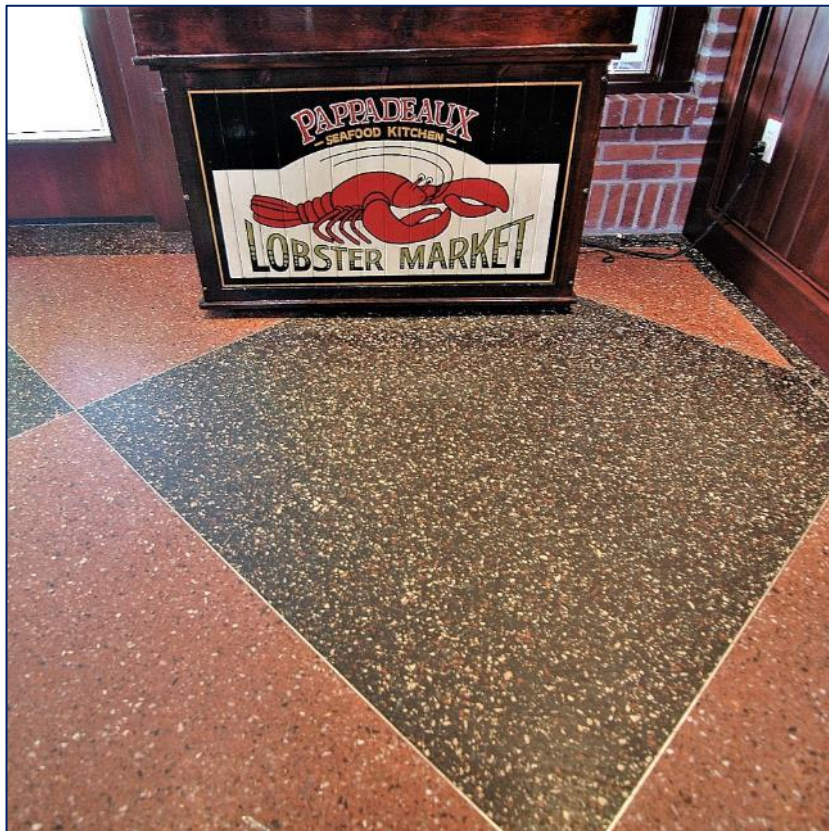
This project involved 25,000 sq feet of terrazzo flooring, 1,500 linear feet of cove base, and two staircases. The design featured three epoxy colors. The terrazzo in the main corridors, staircases, and elevator area integrated perfectly with the school's state-of-the-art design.



CASE STUDY

Pappadeaux Seafood Kitchen Restaurant

Andreola Terrazzo & Restoration installed more than 3,000 square feet of cementitious terrazzo in a red and black checkerboard pattern using brass divider strips.



CASE STUDY



- Andreola Terrazzo & Restoration is a family company based in North Texas. After receiving a degree in business from the University of Texas at Arlington in 1978, Dallas-native, Italian descendant Brock Andreola established his first venture specializing in marble and tile installation.
- By 1980, the company had progressed to stone restoration including marble and granite and had become the prevailing restoration company in the country. Specializing in the historical restoration of masonry, terrazzo, and stone for both government and public sectors, Brock Andreola's expertise in this area contributed to many large-scale projects in Texas and surrounding states.
- Recognizing the bright future in terrazzo flooring, Brock Andreola began to focus on the repair and restoration of terrazzo in the early 1990s. In 1998, Andreola Terrazzo & Restoration was beginning complete terrazzo installations, and within the next year was in full swing with large-scale projects for public schools, hospitals, airports, and federal buildings.
- September of 2003 brought membership in the National Terrazzo and Mosaic Association (NTMA)
- In 2006 the in-house Precast Plant was formed to maintain project control from beginning to end. With this evolution came the ability to create perfect custom logos and emblems.
- Today, Andreola Terrazzo & Restoration focuses on providing custom poured and precast terrazzo to schools, medical facilities, commercial buildings, and civic buildings. Andreola Terrazzo & Restoration also provides services for high-end residential applications and concrete polishing.
- Their commitment to exceptional quality, unwavering attention to clients' budgetary and scheduling constraints, and a focus on customer service has earned Andreola Terrazzo & Restoration an enviable reputation among architects, designers, and contractors all through Texas and adjoining states.



We Are A Family-Run Company With 43 Years Of Proven Track Record In Completing Commercial Projects!

For poured and cast terrazzo design and installation,
custom logo creation, terrazzo restoration, and
concrete polishing, call us at (972) 487-1919 or
online:

AndreolaTerrazzo.com

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Call, email, or submit our
contact form.

**We're looking forward to
hearing from you!**