

SEAMLESS TERRAZZO

PREMIUM DECORATIVE SEAMLESS TERRAZZO FLOOR



AMITEK

Seamless Terrazzo Flooring

Created in the 15th century in Venice as a low-cost way to surface terraces surrounding the city's homes, Terrazzo became popular during the midcentury era, where it could be found in commercial spaces including airports, cultural institutions, schools, and hotels. Still appreciated for its durability and low-maintenance, today's Terrazzo is an environmentally friendly material that is easily customizable and can be poured into different patterns and shapes to produce a smooth, uniformly textured surface for floors, walls, stairs, curbs, counter-tops, and even furniture.




SEAMLESS TERRAZZO

CAST IN SITU SEAMLESS TERRAZZO FLOORING

The Seamless Terrazzo is a premium Decorative Seamless Terrazzo Floor Screed supplied in three parts, i.e., Resin and Hardener and optionally with a variety of fillers and aggregates.



Key Features

-  Slight Flexibility in Material
Less cracks | Large panel sizes
-  Lower Dimensional Shrinkage
Fewer cracks in concrete
-  Thin Layer Application
Environment friendly
-  High Adhesion to Substrate
Less peeling off | High bonding
-  Extensively Tested at Factory
Quality assurance for you
-  High Workability
Fast completion of project
-  Water Repellence
Moisture ingress & stain protection
-  High Consistency of Material
Peace of mind
-  No Contamination

The material is poured in place as a 6-10 mm thick decorative, seamless and polish able surface, which combines the ageless beauty of terrazzo with modern, yet environment friendly materials. The seamless matrix can be made available in unlimited colors and design options.

A TRADITIONAL MATERIAL WITH A MODERN TWIST

Using a variety of aggregates such as marble, quartz, granite, mother-of pearl, recycled glass, porcelain and mirror chips within a colored matrix, the Amitek Seamless Terrazzo system can be placed upon a level concrete slab, or used over adequately installed and prepared marine plywood. New technologies and materials mean Seamless Terrazzo can respond to the needs of the most modern buildings. It is ideal for settings that require a seamless, heavy-duty designer material, that is low-maintenance and hygienic, as its non-porous finish does not support microbial growth, nor allows moisture to accumulate, helping to maintain a germ and mold free environment.



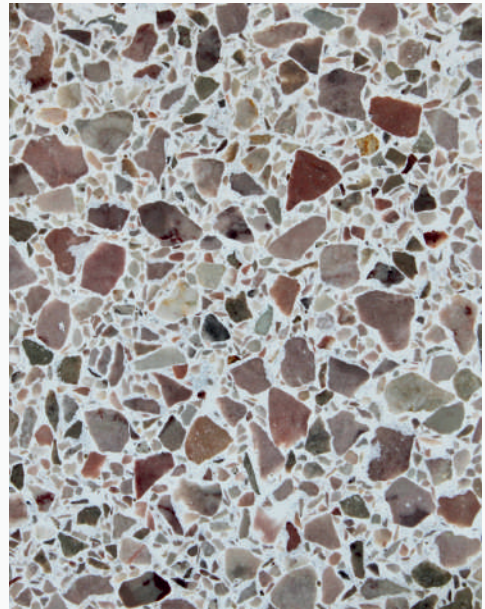




DIVIDER STRIP GUIDELINES

DIVIDER STRIPS ARE USED IN TERRAZZO FLOORING TO SERVE TWO BASIC NEEDS:

Form and Function. Zinc and brass dividers are available for cement terrazzo, while zinc, brass, plastic and aluminum strips are usable with seamless terrazzo systems. Aesthetically, divider strips are often the skeleton to the terrazzo floor's design, offering architects and interior designers the ability to create custom designs and patterns. Divider strips may simply serve as a transition between colors or they may be bent on the job site or water-jet cut at the factory to form intricate designs, logo artwork, and lettering. The thickness and metal of the divider strip may also be varied to compliment the flooring's design. Concrete joints should run off all corridor intersections and corners. In addition, other dividers can be set to separate colors or as an accent themselves. In these systems the dividers not located over concrete joints are strictly decorative. They do not function as leveling devices, or crack preventers.



SEAMLESS TERRAZZO INSTALLATION

QUESTIONS AND ANSWERS

ADVANTAGE OF THE AMITEK SYSTEM VS OTHERS?

It provides color control, resiliency, chemical resistance and tensile-compressive strengths not found in cement-based systems.

- Excellent for multi-colored patterns.
- Lightweight and flexibility.
- Anti-bacterial.
- Lowest maintenance cost due to non-absorbency.
- Can be installed with minimal dividers providing seamless characteristics.
- It can naturally absorb some horizontal concrete crack or control joint movement and as such, it can be used without a flexible membrane.
- It has the quickest pour to grind installation time.
- Average lifetime expectancy for seamless terrazzo: 75 years.

WHAT IS THE IDEAL SUBSTRATE?

Terrazzo should be applied directly on the top of fully cured cement screed type C20 or above with a minimum thickness of 70 mm and a relative humidity < 4%. In case of any floor leveling required seamless terrazzo screed mortar could be applied under the system. It is not recommended to use cementitious self-leveling products under the terrazzo.

WHAT IS THE SYSTEM'S THICKNESS?

It varies depending on the aggregates used. A normal system can vary from 2 to 20 mm or more, while the most frequently used are 6 to 15 mm.

WHAT IS THE SYSTEM'S WEIGHT?

4-40 Kg/sqm also depending on the aggregates size used in the mix.

IS SEAMLESS TERRAZZO ONLY FOR FLOORS?

Seamless Terrazzo is most known for use as a flooring material yet there are many field applications. Seamless Terrazzo can be made into stair treads, stair risers, base, counter-tops, tabletops, benches and more. Seamless Terrazzo can also be poured in place or created via precast method, which is manufactured on an off site location and later transported to the project site for installation.

CAN SEAMLESS TERRAZZO BE RESTORED?

Yes. Seamless Terrazzo floors that have experienced damaged over the years or display a dull appearance can be restored to their original state to look brand new once again. Seamless Terrazzo floors can be polished and resealed. Seamless Terrazzo floors with chips or cracks can be patched with a matching floor color and aggregates.

CAN SEAMLESS TERRAZZO CRACK?

AMITEK Seamless Terrazzo System is formulated to prevent cracks from occurring. In case extreme movement is suspected, one way to prevent cracks from occurring is to have a terrazzo installer apply a crack suppression membrane. We supply a highly flexible membrane system to provide a crack resistant, resilient and durable floor for any of our flooring products (PU Flex).

WHAT IS SEAMLESS TERRAZZO LEED CONTRIBUTION?

- MR Credit 1.2 Building Reuse - Maintain Interior Nonstructural Elements (1 point Possible) Terrazzo floors typically last the life of the structure. In many renovation projects, the original terrazzo flooring has been restored to its original condition.
- MR Credit 4 - Recycled Content Credit (2 points possible). SX4 Seamless Terrazzo incorporates recycled material that has been salvaged & re-crushed & sieved for the terrazzo trade. One point is granted for 10% recycled content & a second point for an additional 10% (20% total) of the total value of the recycled materials on the project.



MAINTAINING SEAMLESS TERRAZZO FLOORING

GENERAL MAINTENANCE

The implementation of a routine maintenance program will prolong the life of the surface in addition to enhancing the appearance of your Terrazzo flooring. Your terrazzo has been grounded, polished, and sealed. This protects your surface from immediate stains, but no spillage should be ignored and allowed to soak and dry into the floor. Floors should be swept daily, treated cloth mops should be used to pick up fine abrasive dirt. As floors become soiled, they should be scrubbed with a detergent solution and properly rinsed. Harsh cleaners and sealers may damage the floor surface. Avoid all-purpose cleaners or soaps containing water soluble, inorganic or crystallizing salts, and harmful alkalis or acids. Also avoid oil based sweeping compounds which can permanently discolor your floor.

MAJOR MAINTENANCE

Industrial Flooring Systems are resistant to wear and chemical attack. However, if it becomes necessary, the surface may be renewed by cleaning and re-coating with the appropriate resin. Before coating, the floor must be completely cleaned and preferably sanded to ensure a sound bond.

ADDITIONAL CONSIDERATIONS Some cleaners will affect the color, gloss or texture of your polymer floor surfaces. We recommend that you test each cleaner in a small area.



WEEKLY MAINTENANCE

Damp mops the surface with an all-purpose cleaner. Scrubbing is required with a skid-inhibiting surface or when a smooth surface becomes very soiled. Use a bristle brush or a bristle attachment on a power scrubber (not a nylon pad) using a detergent solution to dislodge the dirt. The type of detergent will depend on the degree and type of build-up on the floor surface. Use an All-Purpose cleaner for areas exposed to light traffic dirt. Extremely heavy-duty soils, oil, grease, and rubber marks, etc. may be cleaned using a degreaser to remove tire marks and other tough stains. After scrubbing, the floor should be rinsed and vacuumed to prevent the dirt from resettling on the floor.

DAILY MAINTENANCE

Floors should be swept daily, treated cloth mops. Dust mop with clean non-oily dust mop. Remove fine dust particles frequently from the mop with a vacuum hose. Remove any wet spillage by damp mopping. Aggressive skid-inhibiting surfaces, require brush scrubbing followed by water rinse. Normal cleaning with a mop will not properly clean the textured surface. See “Weekly Maintenance” for maintaining a skid-inhibiting surface.

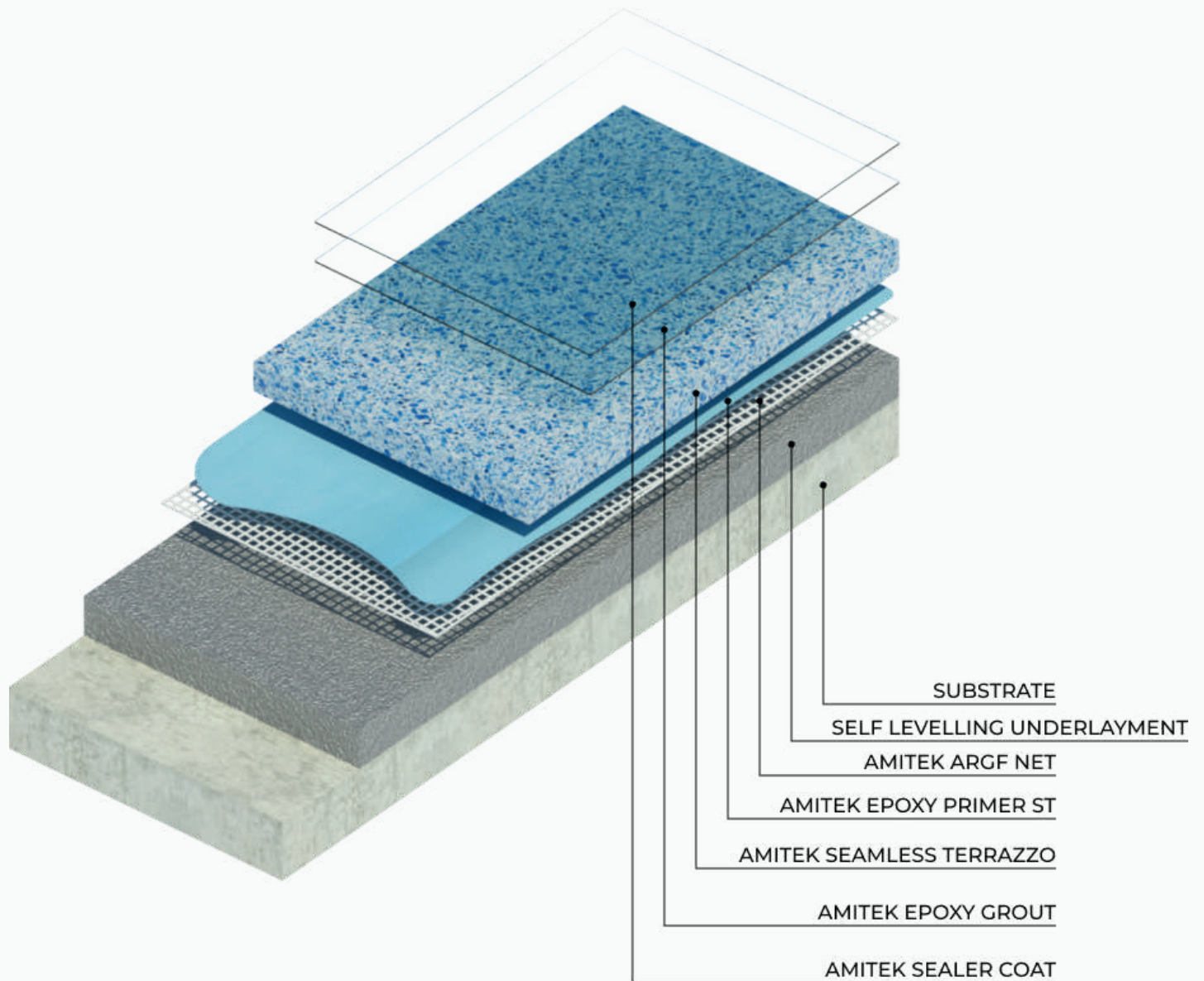
APPLICATION PROCEDURE OF SEAMLESS TERRAZZO FLOORING

<p style="font-size: 48pt; text-align: center;">1</p>	<p>Compressive strength of concrete minimum 25MPa.</p> <p>Surface tensile strength should be minimum 1.5MPa All joints should be treated by PU sealant.</p> <p>Concrete surface profile needed CSP 3 to 5</p> <p>Moisture level should be $\leq 5\%$ Rh < 75%</p>
<p style="font-size: 48pt; text-align: center;">2</p>	<p>Then apply 2 components (Binder + Curing Agent) Seamless terrazzo primer with fiber mesh Mixing ratio 4:1 Drying time 24 hours</p>
<p style="font-size: 48pt; text-align: center;">3</p>	<p>Then apply 3 components (Binder Pigmented +Curing Agent + Aggregates Mortar) Terrazzo (mixing ratio 4:1:32.66) Drying time 24 hours</p>
<p style="font-size: 48pt; text-align: center;">4</p>	<p>After drying the terrazzo grinding with water by machine (Use diamond Disk)</p>
<p style="font-size: 48pt; text-align: center;">5</p>	<p>Then apply 2 components (Binder + Curing Agent) Grouting Material (mixing ratio 4:1) Drying Time 24 Hours</p>

APPLICATION PROCEDURE OF SEAMLESS TERRAZZO FLOORING

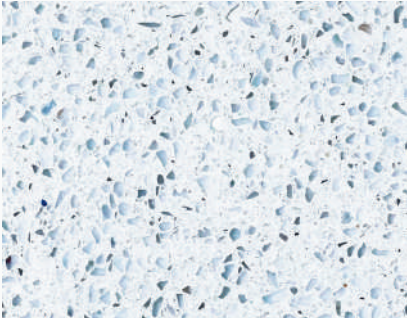
6	After drying the surface do grinding with emari again
7	Apply sealer coat (Single Component) of Acrysil on the surface for surface protection.
8	Then Do Buffing the Surface After the buffing leave the surface for 72 Hours for curing

3 D MODEL FOR THE SEAMLESS TERRAZZO FLOORING



SEAMLESS TERRAZZO SHADES

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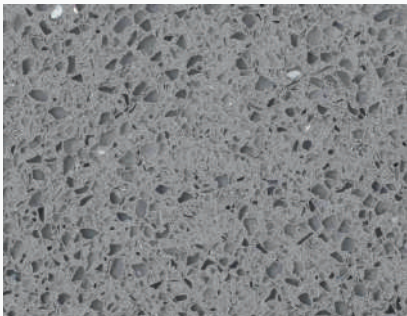
White Micro Mirror



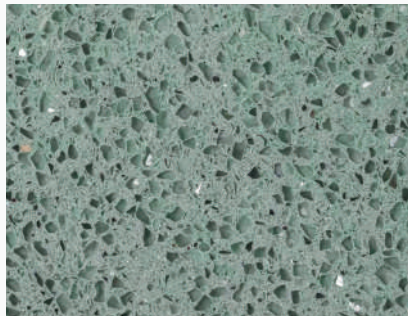
Oyster White Micro Mirror



Light Ivory RAL 1015
Micro Mirror



Light Silver Micro Mirror



Light Green Micro Mirror



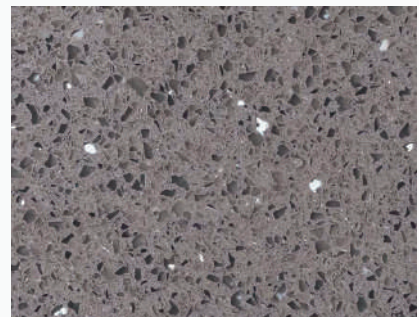
Coffee Cream Micro Mirror



Pink Micro Mirror



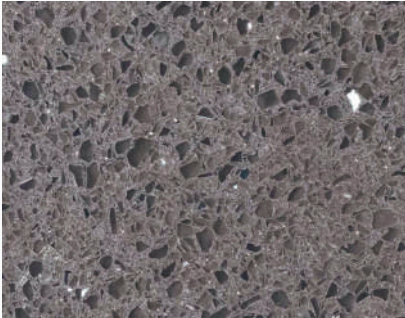
Ginger Micro Mirror



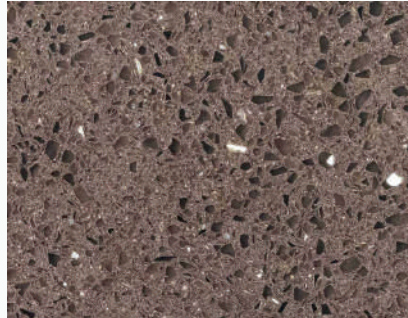
Mocha Micro Mirror

SEAMLESS TERRAZZO SHADES

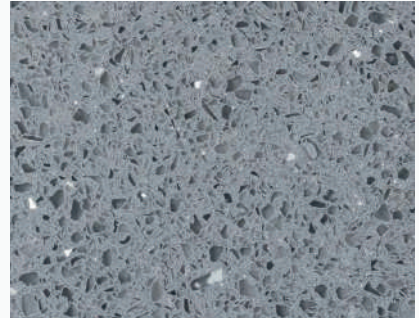
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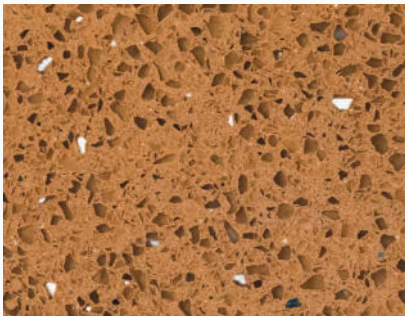
Dark Mocha Micro
Mirror



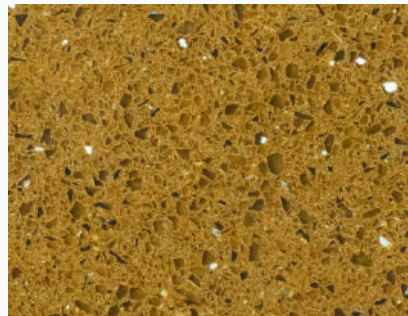
Pale Brown RAL 8025
Micro Mirror



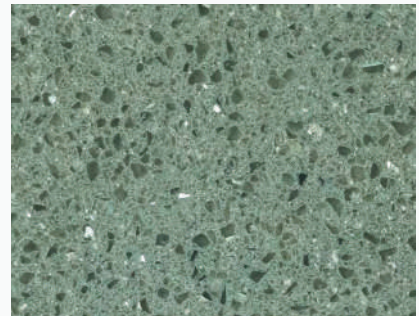
Dark Silver Micro
Mirror



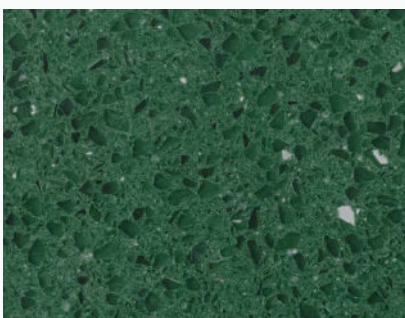
Jaisalmer Orange
Micro Mirror



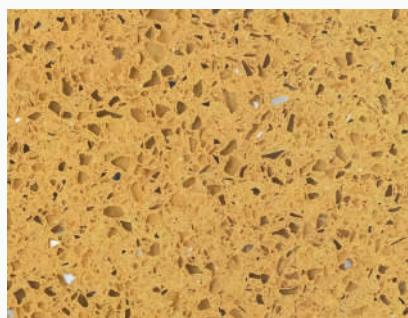
Dark Yellow Micro
Mirror



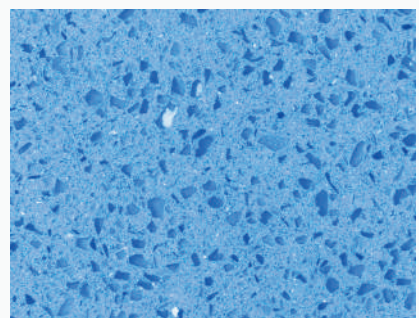
Kota Green Micro
Mirror



Chrome Green Micro
Mirror



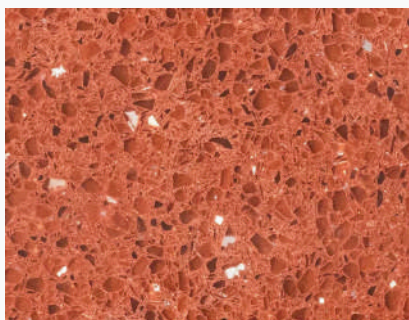
Neon Yellow Micro
Mirror



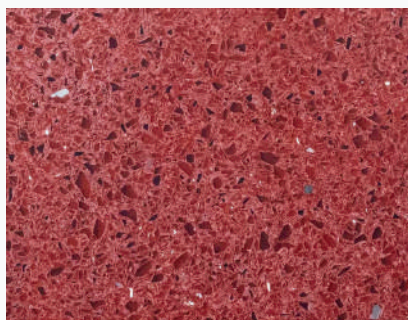
Light Blue Micro
Mirror

SEAMLESS TERRAZZO SHADES

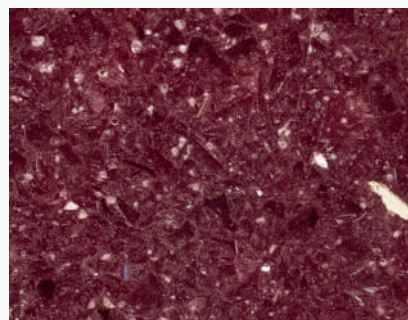
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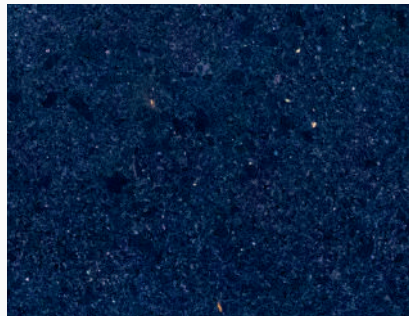
Orange Micro Mirror



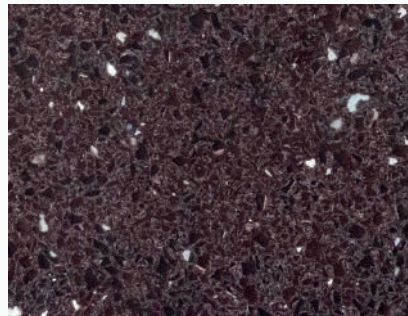
Red Micro Mirror



Wine Micro Mirror



Royal Blue Micro Mirror



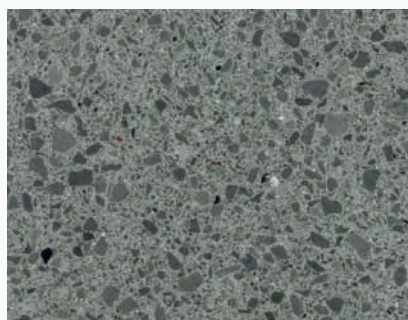
Brown Micro Mirror



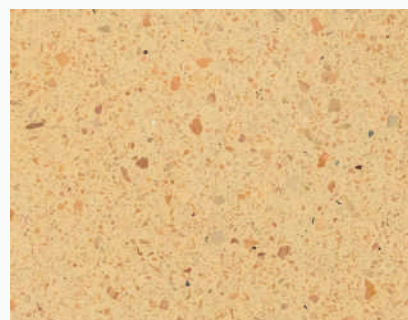
JetBlack Micro Mirror



Light Silver Micro Marble



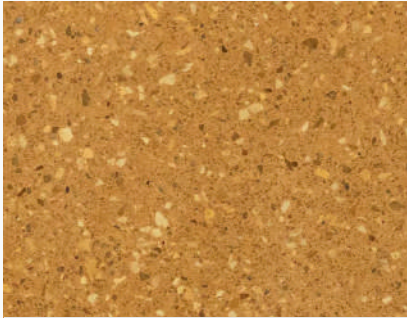
Light Green Micro Olive



Coffee Cream Micro Buff

SEAMLESS TERRAZZO SHADES

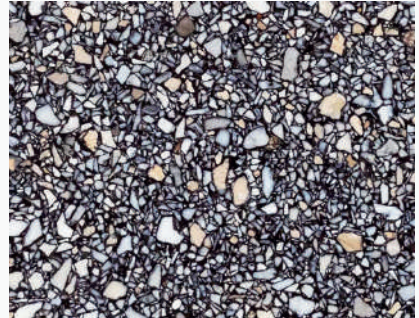
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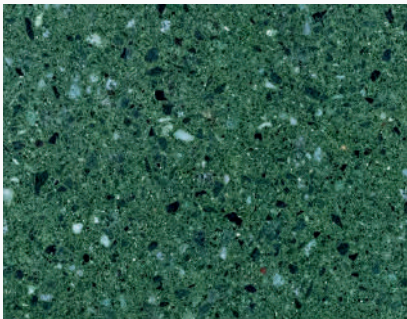
Jaisalmer Micro
Camel



Dark Yellow Micro
Raj Yellow



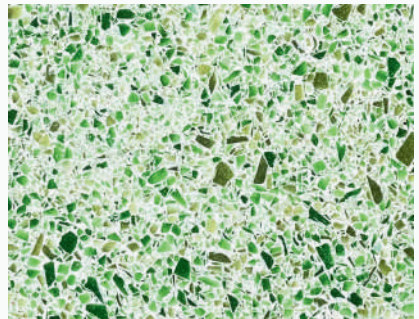
Brown Micro Beige



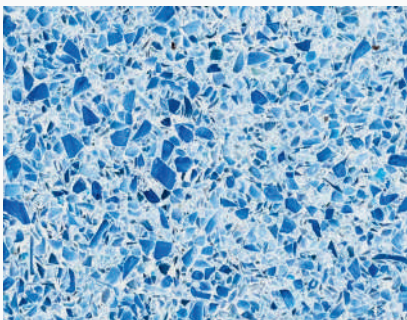
Dark Green Micro
Green Marble



White Micro Mix
Glass



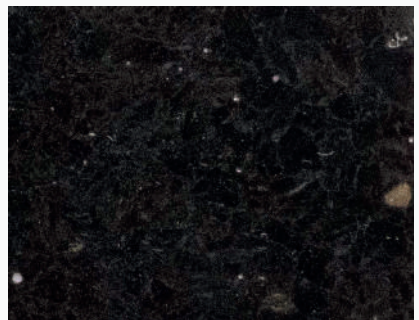
White Micro Mix
Glass



White Micro Blue
Glass

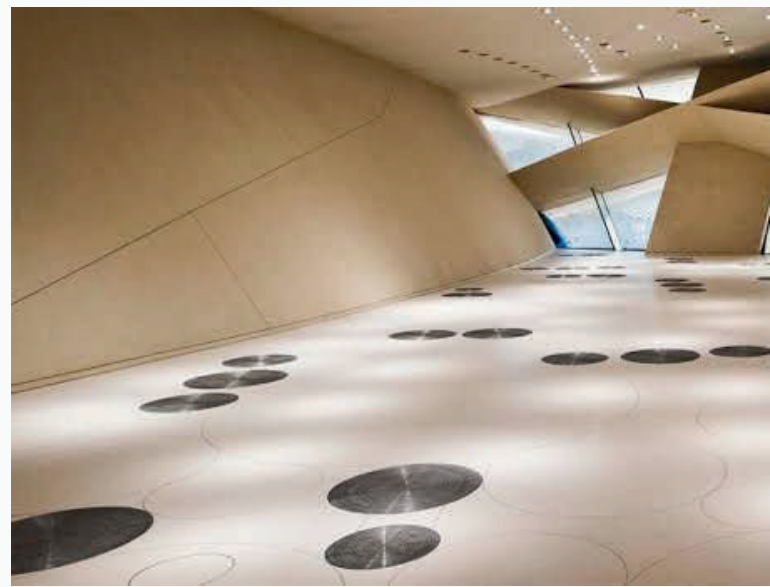
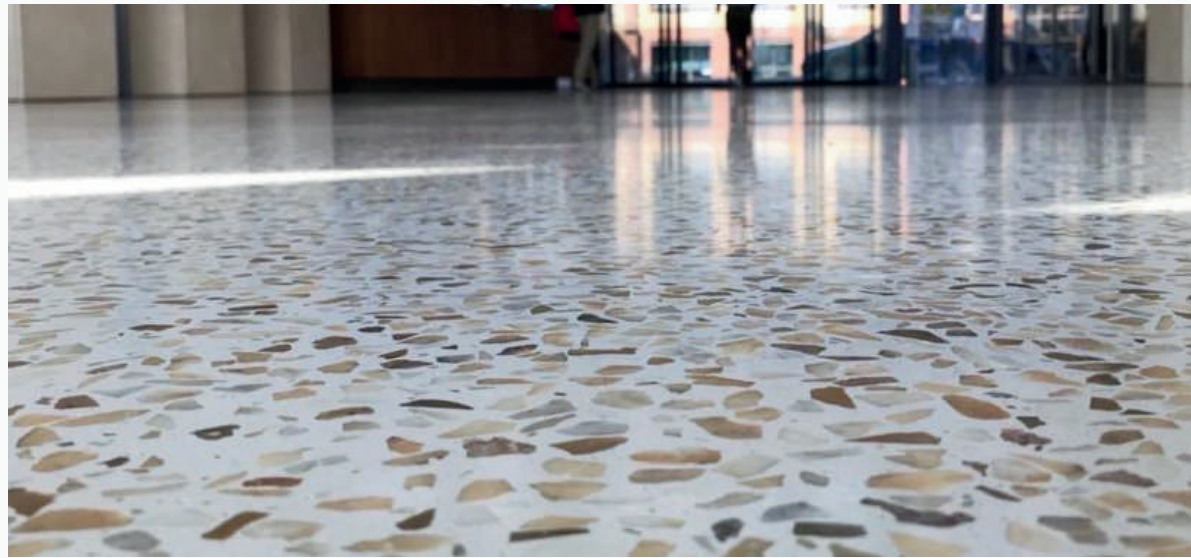
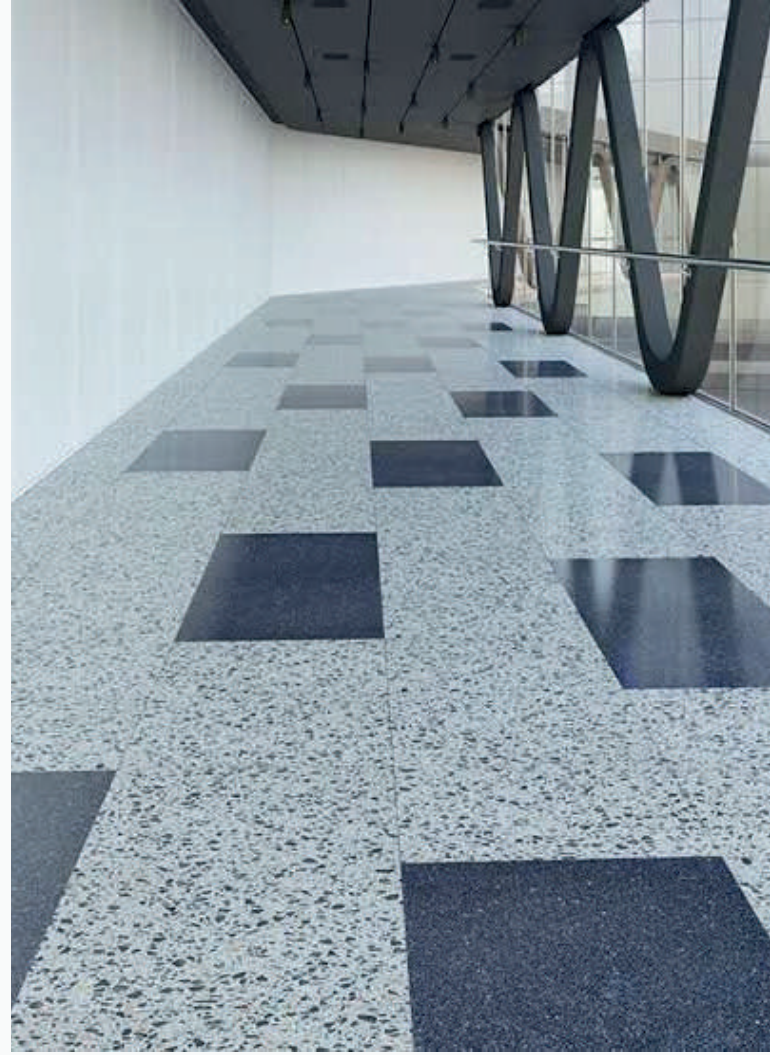
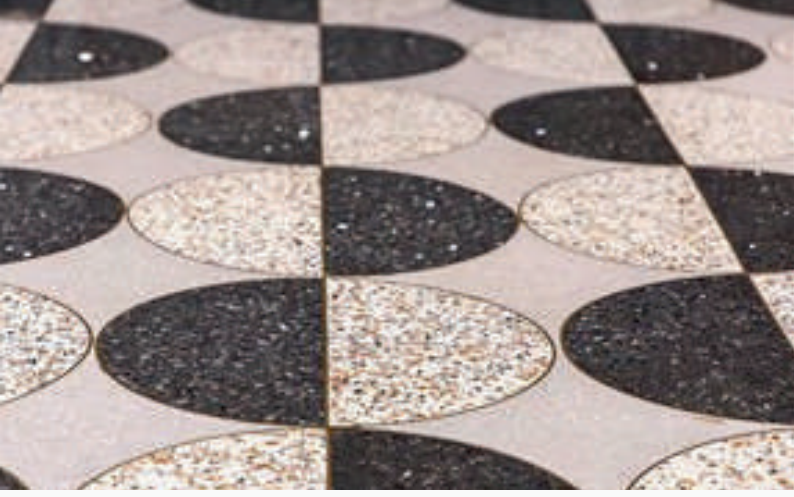


Royal Blue Micro
Blue Glass



JetBlack Micro Dusk





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