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Commonly Asked Questions about Rinato

What is Rinato?

Rinato is a line of cementitious terrazzo slabs containing recycled glass. Rinato's composition includes 75% recycled glass and 25% cement.

What type of glass is used for Rinato?

Rinato incorporates 100% recycled glass that would otherwise be destined for the landfill. Depending on the color, the glass may be post-consumer or pre-consumer.

What is the difference between post-consumer and pre-consumer?

Post-consumer is defined as material generated by end-users which can no longer be used for its intended purpose. Pre-consumer, also referred to as post-industrial, is material diverted from the waste stream during the manufacturing process. Examples of recycled glass include bottles, windshields and plate glass.

What type of Portland cement is used for Rinato?

Rinato is developed from Type III Portland cement, a high-early-strength cement that causes concrete to set and gain strength rapidly. Type III Portland cement is also a finer ground than other Portland cements allowing for a pure white coloration.

What is slag and fly ash?

Slag is a hard, light-weight aggregate (smaller than silica) found in some cements. A bi-product of iron manufacturing, slag collects in the bottom of the hearth. When added to Portland cement, slag increases the concrete's compressive and flexural strengths.

Fly ash is a bi-product of coal burning power plants and steel manufacturing. Concrete incorporating fly ash is denser and more durable than concrete made only with cement.

What are the fibers visible in Rinato?

The fiberglass fibers incorporated in Rinato provide added reinforcement to the slab helping to reduce cracking in the concrete. Much like marble slabs with fiberglass backings, the fiberglass fibers also help to reinforce the Rinato slabs.


RINATO
Terrazzo Countertops made
from Recycled Glass



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Are there special fabrication techniques that need to be considered?

Fabrication equipment and tools used for Rinato are similar to that used for marble fabrication. Like most marbles, a continuous rim diamond blade is recommended. Chipping is to be expected during fabrication; however, too aggressive an approach to fabrication may cause excessive dislodging and chipping of glass along the cut edge. Both cutting and polishing should be conducted slowly and with care.

What type of profile or edge detail can be achieved with Rinato?

Straight edges with small radii or eased edges are the most popular, semi and full bull nose can also be offered. A more complex or elaborate edge profile is possible; however, be aware that sharper edges are more prone to chipping and dislodging of glass.

Are there any installation limitations with Rinato?

Rinato may be fabricated with similar spans and overhangs as natural stone. Refer to the MIA Dimensional Stone Manual for specific recommendations.


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