

WHAT ARE ICESTONE™ DURABLE SURFACES?

IceStone durable surfaces are terrazzo-like composites that are as beautiful as they are innovative. Extremely resilient and available in a wide array of colors, IceStone products can be used for a range of applications, from countertops

to floor and wall coverings. They look and perform like mined stone and are installed and maintained just like granite. Made from 100% recycled glass in a cement matrix, IceStone materials are a sustainable choice and replace non-renewable

and petrochemical based materials. They are manufactured in a day-lit factory in the Brooklyn Navy Yard by a company that values socially responsible business practices.

APPLICATIONS & SPECIAL CHARACTERISTICS

IceStone durable surfaces are appropriate for traditional and contemporary designs alike. The palette of stunning colors includes neutrals and earth tones as well as pastel shades and bright colors. Applications include kitchen countertops and backsplashes, bathroom vanities, tabletops, conference tables, fireplace surrounds, wall cladding and commercial flooring. IceStone slabs can be easily cut, shaped, water jet, inlaid and mounted vertically or horizontally. Polishing brings out the luminescence of the glass, creating the effect for which IceStone products were named.

Honing or sandblasting adds texture to a flooring installation and can further increase variations in shades and colors. IceStone durable surfaces can also be edged to suit individual tastes. They are an ideal choice anywhere mined stone is specified. In fact, IceStone products offer even more color and customization options than mined stones such as granite and marble. We direct hundreds of tons of glass away from the waste stream. Our glass is cleaned and processed according to our precise specifications and is then optically sorted by size and color. In some instances we use pigments

made from recycled iron to tint the matrix; by mixing and matching glass color and size and cement pigments, our color spectrum is infinite. Custom mixing is available for larger commercial orders.

Our product is manufactured in 52.5" by 96" slabs that are 1.25" thick. The glass is embedded in a cement matrix, which naturally hardens and continues to strengthen over time. Unlike resinous or petrochemical based products, IceStone surfaces do not fade with exposure to UV rays.

INSTALLATION & MAINTENANCE

The fabrication, installation and maintenance of IceStone slabs follow the same protocol used with mined stone, as recommended by the Marble Institute of America.

IceStone products are slightly porous, just like natural stone. They become stain resistant after

sealing with our recommended sealers and using our recommended two-step sealing process. We strongly recommend that you use both a penetrating sealer and a topical sealer to maximize stain resistance. IceStone durable surfaces are strong and require only occasional maintenance to preserve their beauty and performance. You should

reapply sealant once a year, just as you would with natural stone, using the procedure specified by the sealant manufacturer's instructions. Both water-based and low-VOC sealers are available for use with IceStone slabs. Please contact us for more detailed information or instructions on your specific application.

TECHNICAL SPECIFICATIONS

IceStone durable surfaces are available in 52.5"x96" slabs and a standard 1.25" thickness. The slab weight is 14.01 lbs/square foot.

Property	Test Standard	IceStone Results
Compressive Strength	ASTM C – 109	13,000
Flexural Strength	ASTM C – 293	890
Specific Gravity	ASTM C – 97	2.31
Porosity/Absorption	ASTM C – 642	0.18% (unsealed)
Static Coefficient Of Friction	ASTM C – 1028	0.78 (dry)
Chemical Durability	ASTM C – 1260 For ASR Reactivity	0.05%
Freeze Thaw	ASTM C – 666	0.49% expansion, 300 cycles
Stain/Acid Resistance		Yes (use recommended sealants/not resistant to Hydrofluoric Acid)
Fire Rating - Class 1 (A)	ASTM E 84	Flame Spread Index 0 Fuel Contribution 0 Smoke Density Index 0

NOTES

IceStone® Durable Surfaces Made of Recycled Glass & Concrete

CONTACT: INFO@ICESTONE.BIZ - 718-624 4900 - BROOKLYN NAVY YARD, UNIT 283, 63 FLUSHING AVENUE - BROOKLYN, NEW YORK 11205 - WWW.ICESTONE.BIZ

