

IAR LIBRARY: 12.36.13 IC 2009
COUNTERTOPS/WALL COVERING/FLOORING
12.36.13
2009

| | | |
|----------------------------|-------------------------------------|--|
| <u>PRODUCT INFORMATION</u> | TYPE OF PRODUCT | Durable surface for countertops/ wall coverings/ flooring made from concrete and glass. |
| | COMPANY NAME | Ice Stone |
| | PRODUCT/COLLECTION NAME | IceStone® |
| | DESCRIPTION | "IceStone durable surfaces are made from recycled glass and concrete." |
| <u>MATERIAL FEEDSTOCK</u> | MATERIAL CONTENT | Recycled glass and Concrete |
| | RECYCLED CONTENT % | "80-100% is pre-consumer waste, with the balance being post-consumer waste." |
| | RAPIDLY RENEWABLE CONTENT % | Waste stream renewable |
| | HARMFUL ADDITIVES | None - "The chemical composition is benign and 99.5% inorganic making it a very safe material from the standpoint of toxicity and fire resistance." |
| | HARMFUL EMISSIONS | None |
| | EMISSION STRENGTH OVER TIME | None |
| | TREATMENTS | Low-VOC water based sealants |
| <u>MANUFACTURING</u> | MANUFACTURING PROCESS | <p>Our Process</p> <p>We have developed a cool, low-emission manufacturing process</p> <p>Our factory is day lit</p> <p>We are implementing a grey water recycling system</p> <p>We're looking at ways to recycle the byproduct of our manufacturing process</p> <p>We have replaced petroleum-based machine lubricants with soy-based ones</p> <p>Where possible, we source 100% post-consumer raw materials and supplies in our factory and offices. In some cases, we have chosen new vendors in order to purchase products with the highest possible recycled content</p> |
| | HARMFUL EMISSIONS | Low – Carbon neutral goal |
| | LOCATION OF MANUF. PLANT | Brooklyn, New York |
| | TESTS/CODES | Compressive strength: 13,000psi ADA guidelines for slip resistance (as flooring) NSF certified food safe |
| | 3 RD PARTY CERTIFICATION | Green Building Council, C2C Gold |
| | | |
| <u>INSTALLATION</u> | INSTALLATION PROCEDURE | The fabrication, installation and maintenance of IceStone® surfaces follow essentially the same process as used with natural stone. |
| | INSTALLATION ADHESIVES | The fabrication, installation and maintenance of IceStone® surfaces follow essentially the same process as used with natural stone. |
| | UNIT COST | We produce 52½" wide by 96" long and 1¼" thick slabs of 100% recycled glass and cement. Customers (fabricators and distributors) then purchase our slabs and configure them to meet a specification. The price of a job has many varying factors, including, but not limited to, size, location, scope, color, and edge detail. Contact us directly to find an IceStone fabricator/dealer in your area to speak with about definitive prices. |
| | LIFE CYCLE ANALYSIS | IceStone durable surfaces are defined as a Technical Nutrient by MBDC's Cradle to Cradle™ certification due to human and ecological health characterization as well as reutilization potential. IceStone durable surfaces are suitable for many re-uses in a long life cycle. Fabricators will accept used IceStone surfaces and may cut a new piece. IceStone LLC accepts surfaces that are packaged and shipped back at the owner's expense to IceStone LLC in Brooklyn, NY. IceStone surfaces are 100% recyclable via mechanical grinding and reforming. IceStone surfaces may also be downcycled into tiles, landscaping material and roadbed aggregate. |
| | END OF SERVICE LIFE | Recyclable |
| <u>MISC. PROPERTIES</u> | QUALITIES/PROPERTIES OF PRODUCT | IceStone® durable surfaces are strong like granite, not as porous as marble and heat-resistant like stone. The chemical composition is benign and 99.5% inorganic making it a very safe material from the standpoint of toxicity and fire resistance. Third party testing results are available upon |

| | | |
|------------------------|-----------------------------|--|
| | | request. The fabrication, installation and maintenance of IceStone® surfaces follow essentially the same process as used with natural stone. |
| | MISC. COMMENTS | IceStone has adopted goals for energy conservation, carbon emissions, water use, and waste management. IceStone will become carbon-neutral, purchase renewable energy credits, and will continue to reduce energy use per square foot of product produced. IceStone's Water Management Principles are based on the Hannover Principles on Design for Sustainability and the Water Principles of the World Business Council for Sustainable Development. Waste from our facility is tracked and measured against reduction goals. Over 80% of our waste is recycled, recovered or composted. IceStone also conducts environmental education programs for employees. |
| | CONTRIBUTION TO LEED POINTS | MR 4.1, 4.2, ID 1, EQ 4.1 |
| <u>COMPANY PROFILE</u> | GREEN PHILOSOPHY | To develop products that foster a sustainable environment. |
| | CONTACT | IceStone, LLCBrooklyn Navy Yard 63 Flushing Ave Unit 283 Building 12 Brooklyn New York 11205 t. 718.624.4900 f. 718.624.4002 info@icestone.biz |