

<b>PRODUCT INFORMATION</b>	<b>TYPE OF PRODUCT</b>	Acoustical plaster ceiling
	<b>COMPANY NAME</b>	Starsilent
	<b>PRODUCT/COLLECTION NAME</b>	Acoustic Systems
	<b>DESCRIPTION</b>	The StarSilent system is a smooth seamless sound absorbing, durable plaster finish system for walls and ceilings.
<b>MATERIAL FEEDSTOCK</b>	<b>MATERIAL CONTENT</b>	It is made up of 96% post consumer recycled crushed glass bottles and coated with sound permeable plasters.
	<b>RECYCLED CONTENT %</b>	96%
	<b>RAPIDLY RENEWABLE CONTENT %</b>	n/a
	<b>HARMFUL ADDITIVES</b>	n/a
	<b>HARMFUL EMISSIONS</b>	It has extremely low VOC content (almost zero)
	<b>EMISSION STRENGTH OVER TIME</b>	n/a
<b>MANUFACTURING</b>	<b>TREATMENTS</b>	n/a
	<b>MANUFACTURING PROCESS</b>	A small quantity of water is used during panel manufacturing to cool the press. No by-products are produced in the manufacturing process. No gypsum board substrate is required.
	<b>HARMFUL EMISSIONS</b>	No toxic or hazardous materials are used or produced. See MSDS.
	<b>LOCATION OF MANUF. PLANT</b>	n/a
	<b>TESTS/CODES</b>	ASTM E605 Density 1.8 Lbs./Sq.Ft. ASTM E84 Surface Burning Characteristics 15, 15 ASTM C423-84 Sound Absorption NRC = 0.55 – 0.75 ASTM E761 Compression Strength 125 PSI
<b>3<sup>RD</sup> PARTY CERTIFICATION</b>	n/a	
<b>INSTALLATION</b>	<b>INSTALLATION PROCEDURE</b>	Scrap: In typical installations, less than 5 to 10 percent of StarSilent panels are lost due to cut pieces that are too small to use elsewhere. Unused finish coat materials can be saved for use on other projects. The light weight of StarSilent materials simplifies handling and reduces installation energy use.
	<b>INSTALLATION ADHESIVES</b>	Yes, avoid inhalation
	<b>UNIT COST</b>	n/a
	<b>LIFE CYCLE ANALYSIS EXTRACTION</b>	The StarSilent system is durable and can last the life of a building with minimal maintenance.
	<b>END OF SERVICE LIFE</b>	Panel scraps that are not covered with finish may be acceptable in mixed-glass recycling facilities. Demolition debris may be acceptable as a fill material or roadway base material.
<b>MISC. PROPERTIES</b>	<b>QUALITIES/PROPERTIES OF PRODUCT</b>	Typically, StarSilent is specified for office interiors, lobbies, atriums, natatoriums, gymnasiums and other areas requiring acoustical performance without the look of ceiling grids. The finish is available in white or a wide range of custom colors. It can also be painted without the loss of sound absorbing qualities.
	<b>MISC. COMMENTS</b>	It can be used on curved surfaces with a radius of four feet or greater. Mold resistant.
	<b>CONTRIBUTION TO LEED POINTS</b>	NC 2.2 EA Prerequisite 1 – Fundamental Commissioning of the Building Energy System Provide access doors if required for commissioning or maintaining building systems located above ceilings.  EA Credit 1 – Optimize Energy Performance Lighting Efficiency: The light reflectivity of StarSilent is 75.4 (measured in accordance with DIN 5036 – Radiometric and Photometric Properties of materials).  Thermal Insulation: R-value = 0.6 based on thermal conductivity 0.6246 BTU-in/hr-ft <sup>2</sup> -°F (0.09 W/mK) per DIN 52613 - Thermal Insulation Testings; Determination of Thermal Conductivity by the Tube Method when tested in a horizontal position.  MR Credit 2.1 and MR Credit 2.2 – Packaging: 120 panels (31 sq. ft2)

		<p>each) on a pallet – 3720 sq. ft2 per pallet. Plaster finish is packaged in recyclable plastic pails.</p> <p>Scrap: See Articles 10 and 12, below.</p> <p>MR Credits 4.1 and 4.2 – Recycled Content StarSilent panels weigh one pound per sq. ft. and are 96% (by mass) recycled glass granulate. The recycled glass granulate is made from 100% post-consumer waste.</p> <p>EQ Prerequisite 3 – Minimum Acoustic Performance.** StarSilent sound absorptive panels contribute to control of reverberation within classrooms. StarSilent can provide noise reduction coefficients (NRC) up to 0.80 (measured in accordance with ASTM C423 – Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method).</p> <p>EQ Credit 4.2 – Low-Emitting Materials StarSilent products give off extremely low levels of VOCs: StarSilent Finish: 1 gram/liter StarSilent Basecoat: 9 grams/liter (measured in accordance with procedures outline in CPA method 24 “Volatile Organic Content (VOC) of paints and related coatings.” The VOC was calculated using the equation referenced in ASTM D3960 “Determination of Volatile Organic Compound Content of Paints and related coating”)</p> <p>EQ Credits 8.1 and 8.2 – Daylight and Views See comment on lighting efficiency at EA Credit 1, above</p>
<b>COMPANY PROFILE</b>	<b>GREEN PHILOSOPHY</b>	n/a
	<b>CONTACT</b>	121 Sunset Road Mamaroneck, NY 10543 914-777-7070 Tel 914-777-7103 Fax
<b>MAINTENANCE</b>	<b>AFTER INSTALLATION</b>	The surface can be vacuumed with a stiff bristle brush. Small smudges can be removed with a soft pencil eraser. If necessary, the StarSilent finish can be reapplied; existing finish coats can be removed by moistening and scraping. 5 year warranty.