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Plastic Resin Panel  
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2010

<b>PRODUCT INFORMATION</b>	<b>TYPE OF PRODUCT</b>	Architectural Resin Panels
	<b>COMPANY NAME</b>	Panelite
	<b>PRODUCT/COLLECTION NAME</b>	Panelite Cast Polymer Series Panels
	<b>DESCRIPTION</b>	Resin panels
<b>MATERIAL FEEDSTOCK</b>	<b>MATERIAL CONTENT</b>	Aluminum and polymer honeycomb cast resin facing standard thickness: 1" panel
	<b>RECYCLED CONTENT %</b>	The core used in Panelite's PE-type Cast Polymer Series panels is produced from 80% post-consumer recycled material that comes mainly from recycled PET bottles (ex. Coca Cola bottles) or high quality pharmaceutical and food packaging. Based on weight calculations required by LEED, The percentage of post-consumer recycled material in the panel is 10%.
	<b>RAPIDLY RENEWABLE CONTENT %</b>	0%
	<b>HARMFUL ADDITIVES</b>	N/A
	<b>HARMFUL EMISSIONS</b>	N/A
	<b>EMISSION STRENGTH OVER TIME</b>	N/A
	<b>TREATMENTS</b>	Not Specified
<b>MANUFACTURING</b>	<b>MANUFACTURING PROCESS</b>	<p>Almost no energy is used in the production process of PANELITE CAST POLYMER SERIES PANELSTM. The production process relies on a room-temperature curing system and does not produce air or water pollution, or solid waste. In 2005 Panelite re-engineered our cast polymer series panels to utilize 30% less resin while maintaining structural strength. This contributes to resource conservation as well as reducing the panel weight, making it even more efficient to transport and install.</p> <ul style="list-style-type: none"> <li>- Panelite practices efficient and conservative shipping techniques of raw materials. Panelite reduces waste by reclaiming all remnants and b-grade panel material generated in our production facilities. These materials are typically donated to academic institutions, or sometimes sold at discounted rates.</li> <li>- Only biodegradable and reusable packaging materials are used to ship raw materials and finished panels.</li> </ul>
	<b>HARMFUL EMISSIONS</b>	Not Specified - The production process relies on a room-temperature curing system and does not produce air or water pollution, or solid waste.
	<b>LOCATION OF MANUF. PLANT</b>	Actual plant location not specified
	<b>TESTS/CODES</b>	ASTM E-84 fame spread
	<b>3<sup>RD</sup> PARTY CERTIFICATION</b>	N/A
<b>INSTALLATION</b>	<b>INSTALLATION PROCEDURE</b>	<p>The honeycomb technology</p> <ul style="list-style-type: none"> <li>- The use of self-structural PANELITE TM panels as wall and partition panels can minimize or eliminate the necessity for additional structural framing members, contributing to more efficient material and labor practices for construction, and effectively reducing waste upon demolition.</li> <li>- Panelite panels consist of a similar amount of material as a typical 1/4" thick solid surface translucent sheet product (such as acrylic, Lexan<sup>TM</sup> or other specialty sheet products). Since PANELITE walls are typically only 1 panel in thickness, 2-sided stud wall construction such as with non-biodegradable gypsum can be avoided, reducing material, shipping, and labor requirements.</li> </ul>
	<b>INSTALLATION ADHESIVES</b>	PANELITETM panels require no adhesives or sealants for installation, and require no harsh cleaning solutions for maintenance
	<b>UNIT COST</b>	See online pricing
	<b>LIFE CYCLE ANALYSIS EXTRACTION</b>	- Panelite materials are moisture and UV resistant and made to last. We favor an environmental approach that focuses on extending the life of the materials as far as possible before recycling them, since recycling, although its benefits are many, requires the use of energy and resources.
	<b>END OF SERVICE LIFE</b>	The "Re-Generation" program is designed to reclaim any re-usable

		PANELITE panel (used or un-used) for re-use.
<b>MISC. PROPERTIES</b>	<b>QUALITIES/PROPERTIES OF PRODUCT</b>	Self-structural panels produced by casting translucent fiberglass facings directly onto the structural honeycomb core. Three types available. Limitless color options. 1" or 1.5" thickness. Standard or curved.
	<b>MISC. COMMENTS</b>	PANELITETM panels are moisture resistant and do not support bacterial growth. USGBC member
	<b>CONTRIBUTION TO LEED POINTS</b>	MR 4.1 – Recycled content 10% (1pt) MR 5.1- Regional Materials: 10% Manufactured Regionally (1pt) MR 5.2- Regional Materials: 20% Manufactured Regionally (1pt) ID- Innovation in Design
<b>COMPANY PROFILE</b>	<b>GREEN PHILOSOPHY</b>	We believe that as developers and distributors of innovative materials we have the opportunity and responsibility to implement environmentally conscious practices at every phase of our products' life cycle as well as within our corporate culture. We regularly evaluate and strive to improve our environmental performance at the following five levels: 1. Manufacturing: the environmental impact of our manufacturing processes and component products 2. Installation: the energy and resource efficiency with which our materials can be installed 3. Built Environment: the impact of our materials on the places in which people live or work. 4. Life Expectancy, Disposal, and Recycling: extending the useful life of our products, and how they can be disposed of or recycled 5. Corporate Culture: developing a culture of environmental awareness
	<b>CONTACT</b>	315 W 39TH ST, STUDIO 807, NEW YORK NY 10018 T: 212.947.8292 / F: 212.947.8489
<b>MAINTENANCE</b>	<b>AFTER INSTALLATION</b>	Easily maintained with non-aggressive cleaners. A simple mild soap and water is ideal. Phosphate-based cleaners are not recommended.