

IAR Library: 06.64.00 Box 1 2010
Acrylic Sheet Paneling
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PRODUCT INFORMATION	TYPE OF PRODUCT	Plastic panel
	COMPANY NAME	Evonik
	PRODUCT/COLLECTION NAME	Acrylite
	DESCRIPTION	Acrylic sheet, rod, tubes
MATERIAL FEEDSTOCK	MATERIAL CONTENT	Evonik Cyro acrylic products are one of the most readily recyclable plastics. Some grades can be re-extruded many times without losing their properties. Our acrylics can be "reverse-polymerized" to yield the original base chemical, MMA, which can then be used to make acrylic again or a number of other commercial products.
	RECYCLED CONTENT %	Evonik Cyro uses an average of 20 percent and up to 75 percent pre-consumer reclaimed acrylic in its extruded acrylic products.
	RAPIDLY RENEWABLE CONTENT %	N/A
	HARMFUL ADDITIVES	<ul style="list-style-type: none"> * Evonik Cyro is one of the few manufacturers using only colorants that are free of heavy metals in its acrylic products and has done so since the 1980's. * Evonik Cyro acrylic products are free of bisphenol A. * Evonik Cyro does not add or use plasticizers in the production of our acrylic products.
	HARMFUL EMISSIONS	<ul style="list-style-type: none"> * Evonik Cyro acrylic product do not contain components such as formaldehyde that can result in the release of harmful vapors or gases. * Evonik Cyro acrylic products do not contain paints or adhesives.
	EMISSION STRENGTH OVER TIME TREATMENTS	N/A
MANUFACTURING	MANUFACTURING PROCESS	Evonik Cyro produces its acrylic monomer, polymer, and sheet in integrated manufacturing facilities in several locations across North America, helping to reduce the energy and CO2 impact involved in the transportation of its raw materials and finished products. Evonik Cyro operates a "one-of-a-kind" biological pollution control system that uses bacteria to remove and eliminate solvent fumes from its process. This cutting edge technology minimizes the impact of our facility on the environment.
	HARMFUL EMISSIONS	N/A
	LOCATION OF MANUF. PLANT	Parsippany, New Jersey
	TESTS/CODES	N/A
	3RD PARTY CERTIFICATION	Evonik Cyro product plants are ISO 14001 certified to meet strict standards of environmental responsibility.
INSTALLATION	INSTALLATION PROCEDURE	Our sheet products are easily fabricated using a variety of methods. They can be sawed, routed, drilled, cemented, thermoformed, painted or silkscreened. Available in clear and a variety of colors, and with three surface options: glossy, matte and textured. ACRYLITE sheet products provide excellent light transmission and will not yellow over prolonged periods of time. Acrylic sheet is half the weight of glass with many times the impact resistance.
	INSTALLATION ADHESIVES	A leading specialist in the acrylic sector, our ACRIFIX™ cements were developed as high performance products for bonding extruded or cast acrylic (PMMA), preferably ACRYLITE® products, to itself as well as to other materials.
	UNIT COST	Varies
	LIFE CYCLE ANALYSIS EXTRACTION	Our acrylics can be "reverse-polymerized" to yield the original base chemical, MMA, which can then be used to make acrylic again or a number of other commercial products.
	END OF SERVICE LIFE	Evonik Cyro acrylic products are one of the most readily recyclable plastics. Some grades can be re-extruded many times without losing their properties.
MISC. PROPERTIES	QUALITIES/PROPERTIES OF PRODUCT	<ul style="list-style-type: none"> - easy to clean and use in a variety of demanding environments - wide range of price points to fit any budget - 40 times the impact strength of glass - available with UV stabilization for outstanding exterior performance

		<ul style="list-style-type: none"> - self-extinguishing class-A and class-B performance - easily formed to create complex curves and shapes - non-toxic, sustainable material made from [™], which is GREENGUARD Indoor Air Quality Certified® - create more than a million custom options to provide both daylighting and privacy - offers unlimited aesthetic and design options
	MISC. COMMENTS	CRYLITE sheet durability properties enable it to maintain its original strength, appearance and color despite extreme weather conditions.
	CONTRIBUTION TO LEED POINTS	<p>LEED for Retail Environmental Quality (EQ) Credit 4: Low-Emitting Materials Option E.</p> <p>Furniture As a component for furniture or a shelving display our products comply with the credit requirements to obtain 1 point.</p> <p>LEED for New Construction Materials and Resources (MR) Credit 5.1 Regional Materials-10 percent extracted, processed & manufactured regionally.</p> <p>LEED project sites within 500 miles of our Sanford, Maine or Osceola, Arkansas production facilities are applicable for most of our products.</p> <p>Energy & Atmosphere (EA) Prerequisite 2 Utilizing ACRYLITE® Deglas multi-skin sheet contributes towards the building envelope requirements of ASRAE 90.1-2004 Section 5.</p>
COMPANY PROFILE	GREEN PHILOSOPHY	Operating under the Guiding Principles of Responsible Care®, we strive to continuously improve our health, safety, and environmental performances. By becoming a national member of the U.S. Green Building Council (USGBC), Evonik Cyro takes environmental stewardship a step further. Our goal is to improve the environment by supplying sustainable and long-living acrylic products to the green building sector and to all other markets we serve.
	CONTACT	Evonik Cyro LLC 379 Interpace Parkway Drive Parsippany, NJ 07054-0677 800 631-5384 +1 973 541-8447 cyroemail@evonik.com
MAINTENANCE	AFTER INSTALLATION	Normal maintenance and cleaning of plastics with nonabrasive cleaners.