

PRODUCT INFORMATION	TYPE OF PRODUCT	Tiling
	COMPANY NAME	3form
	PRODUCT/COLLECTION NAME	Varia Ecoresin-Color 3
	DESCRIPTION	Tiling
MATERIAL FEEDSTOCK	MATERIAL CONTENT	Dynamic translucent resin panel system. Allows for customization in color, pattern, texture, interlayer, and finish. Also, allows for custom sizes and gauges.
	RECYCLED CONTENT %	40% pre-consumer recycled content, minimal post-consumer recycled content
	RAPIDLY RENEWABLE CONTENT %	None
	HARMFUL ADDITIVES	Our products never contain PVC and can be reclaimed at end of use.
	HARMFUL EMISSIONS	Low VOCs.
	EMISSION STRENGTH OVER TIME	None
	TREATMENTS	None
MANUFACTURING	MANUFACTURING PROCESS	http://www.3-form.com/about-sustainability.php#path_to_zero
	HARMFUL EMISSIONS	Greenguard Certified (VOC is ≤ .25 mg.) Low to no VOCs or other harmful gas emissions. No, Varia eco-resin does not contain any PVC and can be reclaimed at end use (3form is designing with concern for end of use: reusability, recyclability, and safety). 3form purchases verified emissions reductions to offset a majority of the emissions from our operations and corporate travel, including each outbound sales person. This purchase is made through Bonneville Environmental Foundation, a nonprofit organization that reinvests in renewable energy infrastructure, watershed restoration, and environmental education.
	LOCATION OF MANUF. PLANT	TF 800.726.0126 T 801.649.2500 F 801.649.2699 info@3-form.com 2300 South 2300 West, Suite B Salt Lake City, UT 84119
	TESTS/CODES	UPITT Morality Test (Pass) 3form dichroic testing: ASTM D Smoke Density (Pass) ASTM D Flame Spread (Pass) ASTM D Self Ignition Temperature (Pass >650°) 3form wood testing: ASTM D Smoke Density (Pass <75) ASTM D Flame Spread (Pass CC2) ASTM D Self-ignition (Pass >650°) The Climate Registry 3form achieved Climate Registered™ status by successfully measuring our carbon footprint according to The Climate Registry's best-in-class program, then having it third party verified and voluntarily reporting the data on The Registry's website. ISO 14001:2004 -Flammability / toxicity testing for safe interior usage -Insulation performance for thermally efficient buildings -Safety impact testing for safety and security applications -Air quality testing for clean air and building quality -Design with concern for end of use: reusability, recyclability and safety
3RD PARTY CERTIFICATION	Greenguard Indoor Air Quality certified on various 3form products.	

		EPA Green Power Partnership Scientific Certification Systems Bonneville Environmental Foundation Blue Sky
INSTALLATION	INSTALLATION PROCEDURE	<p>3form standoff and spider point-support architectural hardware systems provide versatile and elegant solutions for affixing 3form translucent materials to a variety of substrates, including wood, concrete, steel studs, gypsum, and aluminum framing systems, such as 3form Versa. 3form Hardware offers an impressive range of precision-machined components, including barrels, caps, spiders, and anchors, work together as an integrated solution to provide both flexibility and ease of installation.</p> <p>Use 3form SUSPEND™ to create weightless partitions in large, loft spaces. Divide space with minimal structure, create flowing shaped screens or intriguing translucent shelving. Composed of stainless steel 3 mm cable and components, SUSPEND complements our signature material in both elegance and durability.</p>
	INSTALLATION ADHESIVES	<p>Two-part adhesives are recommended when bonding Varia Ecoresin to itself or dissimilar plastics. Weld-on 55 and 58 are effective when joints need to retain slight flexibility, may be subjected to changing thermal conditions, or required waterproofing. Weld-on 55/58 are to be used when bonding Varia Ecoresin panels to other Varia Ecoresin panels, PETG, Polycarbonate, AB S, or Butyrate substrates. Weld-on 55 has a longer working time (6 min) than Weld-on 58 (3 min). Consult the 3form Adhesives Matrix (available online) or call the 3form Technical Service desk at 877-649-2670 for additional bonding questions.</p> <p>-DO NOT use Cyanoacrylate or solvent type thread locking materials (Loctite®) with Varia Ecoresin.</p> <p>-Use mechanical fastening solutions (eg. Nylok Blue Patch, Teflon tape) to more permanently secure hardware.</p>
	UNIT COST	<i>\$13.00 unit cost per sample</i>
	LIFE CYCLE ANALYSIS EXTRACTION	<ol style="list-style-type: none"> All 3form panels are shipped with labels and instructions for installers. Imperfect panels or those damaged during production are trimmed of flaws and resold in smaller standard sizes on our Reclaim website. Installers place the label in a discreet location, such that it will only be seen upon dismantling. When a project is dismantled, the contractor sees the label and notifies 3form, who then arranges for return shipping back to 3form facilities. Panels are inspected and, where possible, refurbished for donation or resale at a discounted price on our website. Panels not in condition to be resold will be refurbished, donated, recycled, or disposed of in the most responsible way possible.
	END OF SERVICE LIFE	<p>3form takes responsibility for its products. Our Reclaim program allows for the reuse and recycling of materials removed from installations or panels damaged in production. It is a bi-directional process that prevents panels from entering the landfill and extends their useful life.</p> <p>3form's highly successful reclaim program gives the materials a second life, while minimizing the likelihood of the product resting in a landfill. As part of this program, 3form takes ownership of panels at "end-of-life." They arrange for return shipping to 3form's factory, where materials are QC'd, refurbished where possible, and any remaining blemishes are cut away. These materials are offered for sale on line at a reduced price.</p> <p>Across all departments, our number one goal is waste reduction. After that, our waste hierarchy is tiered with recycling at the top and landfill at the bottom. So far in 2011 we have been able to eliminate sending manufacturing waste to the landfill. Although we're very proud of this achievement, we know we have work to do to increase our recycling rate."</p> <p>The products never contain PVC and can be reclaimed at end of use.</p>
MISC. PROPERTIES	QUALITIES/PROPERTIES OF PRODUCT	40 times the impact strength of glass (14 ft-lb/in) low abrasion resistance
	MISC. COMMENTS	Caria Ecoeresin is available in a variety of standard woven colors. Visit www.3-form.com/materials-varia.com for all available options. Use the C3 Color Matching System to create over 10,000 custom colors.
	CONTRIBUTION TO LEED POINTS	Construction Materials Waste Management

		<p>(MR Credit 2 - up to 2 points) Develop and implement a construction waste management plan. Recycle or salvage at least 50% (1 point) or 75% (2 points). Recycled Content (MR Credit 4 - up to 2 points) Develop and implement a construction waste management plan. Recycle or salvage at least 50% (1 point) or 75% (2 points). Regional Materials (MR Credit 5) A minimum of 20% of construction material costs must be manufactured within 500 miles of the project site (as the crow flies.) "Manufactured" is defined as the final assembly of components into the product that is furnished and installed. This does not include on-site assembly, erection, or installation of finished components. Low-Emitting Materials - Adhesives and Sealants (IEQ Credit 4.1) Adhesives and sealants used INSIDE the building seeking certification must not exceed LEED limits from Volatile Organic Compounds (VOC) content. Daylight and Views (IEQ 8.1 & 8.2 - up to 3 points) Achieve a minimum Daylight Factor of 2% for at least 75% of all regularly occupied areas. Direct line of sight to the outdoors via vision glazing for building occupants in 90% of regularly occupied areas. Provide daylight redirection and/or glare reduction devices</p>
<u>COMPANY PROFILE</u>	GREEN PHILOSOPHY	<p>Founded in 1991 by Ray Goodson, 3form created a vision to develop design-driven materials building material with an unyielding commitment to environmental responsibility. In 2007, 3form became part of the Hunter Douglas Group and opened new operational centers in the USA, Europe and Asia. Sustainability is the core of our corporate culture and this philosophy is apparent in our products, processes, and business practices. Our leadership believes "how" business is conducted is as important as "what" is produced. Because of this philosophy, 3form has earned a reputation for environmental stewardship, and has attracted a group of employees who demonstrate a tangible commitment to the environment and work hard to create a culture of education, engagement, and responsibility.</p>
	CONTACT	<p>New York Showroom T 212.627.0883 F 212.627.0898 129 West 29th Street, 6th Floor New York, NY 10001</p>
<u>MAINTENANCE</u>	AFTER INSTALLATION	<p>Rinse sheets with lukewarm water. Remove dust and dirt with a soft cloth or sponge with a solution of mild soap and water. A 50:50 solution of isopropyl alcohol and water also works well. DO NOT use solvents such as acetone, benzene, gasoline, carbon tetrachloride, xylene, toluene, ketones, or lacquer thinner to clean Varia Ecoresin.</p> <p>Like any thermoplastic, Varia Ecoresin has some performance limitations under specific conditions and in particular environments. When selecting a product, the environment and conditions under which the product is to be used should be considered by the user. Consult the Varia Ecoresin specification sheet for additional information.</p>