

Low Emissions.

High Standards.

Pursue LEED® rated projects with
3M™ Adhesives that are
GREENGUARD™ Certified.



Going Green Made Easy



What does it mean to be GREENGUARD™ Certified?

“GREENGUARD” is the designation given to products that meet rigorous standards for low-emitting materials. The GREENGUARD Certification Program™ is an industry-independent, third-party testing program for low-emitting products and materials. It is administered by the GREENGUARD Environmental Institute (GEI), an ANSI authorized standards developer. GEI establishes acceptable indoor air standards for indoor products, environments and buildings; its mission is to improve public health and quality of life through programs that improve indoor air. The first GREENGUARD Certification was awarded in 2002. In 2005, GEI announced the GREENGUARD Children & Schools™ standard, which created the most rigorous product emissions criteria available today. For more information on GREENGUARD, go to www.greenguard.org.

For more information on the LEED® rating system, go to www.usgbc.org.

The “green building” revolution is spreading across the world, and builders and manufacturers everywhere are looking for products to help them meet their new green goals. 3M can help. We’ve been actively developing water-based adhesives for more than 40 years, and our portfolio of high-performance products includes a wide variety of high solids/low-VOC and GREENGUARD Indoor Air Quality Certified® adhesives. Incorporating these adhesives into your manufacturing processes can help you and your customers pursue LEED® (Leadership in Energy and Environmental Design) rated projects.

The Green Build Rating System: Measuring Greenness

Nearly everyone agrees that building green is a great idea, but how do you measure and substantiate the level of “greenness” achieved by a building? That’s what the LEED® rating system was designed to do. Developed by the United States Green Building Council (USGBC), the LEED® rating system awards points to buildings if they meet specific green criteria in five key areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection and indoor air quality.

According to the USGBC, pursuing LEED® rated projects can benefit builders in many ways:

- Greater energy efficiency when the building is operational
- Tax relief and lower permit fees
- Lower interest and insurance rates
- Higher-appraised-value properties
- Faster occupancy rates due to greater demand
- A better image in the community

GREENGUARD Certified

Today, 3M has six adhesives that have been certified to the GREENGUARD Children & Schools™ standard—the highest certification offered by the GREENGUARD Environmental Institute’s (GEI) GREENGUARD Certification Program™. GEI is an industry-independent, nonprofit organization that tests products to ensure their chemical and particle emissions meet acceptable indoor air quality (IAQ) standards—one of the five components of the United States Green Building Council’s LEED® rating system.





Bottom-line Benefits

3M™ Adhesives that are GREENGUARD Indoor Air Quality Certified® can do more than just help manufacturers and builders pursue LEED® rated projects; they can make long-term economic sense. In addition to the benefits listed below, incorporating green 3M adhesives into your processes can be an important part of helping make your own products green—opening the door to a whole new universe of customers.

Choosing green 3M adhesives can benefit manufacturers through:

- Reduced flammability and fire marshal issues with water-based adhesives
- No transportation restrictions from using water-based adhesives
- Fewer controlled substances to manage
- Improved worker safety with low-VOC adhesives

Green 3M™ Adhesives

3M's commitment to the green movement extends far beyond GREENGUARD Certified adhesives. Our line of high-performance green products also includes a variety of high solids/low-VOC adhesives. So whatever your application, 3M has an adhesive that can help you meet your green goals. And only 3M offers comprehensive support.

3M adhesives that are GREENGUARD Certified include:

- A** 3M™ Scotch-Weld™ Cylinder Spray Adhesive 94CA—conveniently packaged, low-VOC, solvent-based contact adhesive for laminating
- B** 3M™ Fastbond™ Pressure Sensitive Adhesive 4224NF—pressure-sensitive water-based adhesive for foam, fabric and carpeting
- C** 3M™ Fastbond™ Contact Adhesive 30NF/30H—the industry standard in water-based contact adhesives
- D** 3M™ Fastbond™ Foam Adhesive 100—fast-setting water-based adhesive for foam bonding
- E** 3M™ Fastbond™ Insulation Adhesive 49—fast-setting, pressure-sensitive water-based adhesive for lightweight bonding
- F** 3M™ Fastbond™ Contact Adhesive 2000NF—immediate-bonding water-based contact adhesive for laminating



3M support makes the difference

“Going green” is often easier said than done. That’s why 3M technical experts are available to work with your manufacturing engineers—to make sure our adhesives deliver the performance you need.

3M provides superior training and support for the adhesives industry. So once you make the decision to go with 3M™ Adhesives, you sign on with a partner who will work with you to make sure our adhesives perform to the highest possible standards.

For more information on 3M adhesives that are GREENGUARD Indoor Air Quality Certified®, go to www.3M.com/greenadhesives.

Opportunities for LEED® Rated Projects

Select 3M™ Adhesives are certified to the GREENGUARD Children & Schools™ product emission standard for low-emitting interior building materials in the following LEED® rating categories.

Products	LEED® Rating Categories*	Applications	Substrates
3M™ Fastbond™ Contact Adhesive 30NF/30H 3M™ Fastbond™ Contact Adhesive 2000NF 3M™ Fastbond™ Foam Adhesive 100 3M™ Fastbond™ Insulation Adhesive 49 3M™ Fastbond™ Pressure Sensitive Adhesive 4224NF 3M™ Scotch-Weld™ Cylinder Spray Adhesive 94CA	Directly contributes to LEED® EQ Credit 4.1: Low-Emitting Materials: Adhesives & Sealants (NC, CS, CI, R Option A, S Option A)	Many construction applications	Laminate, foam, fabric
3M™ Fastbond™ Contact Adhesive 30NF/30H 3M™ Fastbond™ Contact Adhesive 2000NF 3M™ Fastbond™ Pressure Sensitive Adhesive 4224NF 3M™ Scotch-Weld™ Cylinder Spray Adhesive 94CA	Addresses or contributes to LEED® EQ Credit 4.3: Low-Emitting Materials: Flooring Materials (NC, CS, CI, R Option C, S Option 3)	Flooring	Access, laminate, carpet
3M™ Fastbond™ Contact Adhesive 30NF/30H 3M™ Fastbond™ Contact Adhesive 2000NF 3M™ Scotch-Weld™ Cylinder Spray Adhesive 94CA	Addresses or contributes to LEED® EQ Credit 4.4: Composite Wood & Agrifiber Products (NC, CS, CI, R Option D)	On-site laminations, countertop laminations	HPL, veneers
3M™ Fastbond™ Contact Adhesive 30NF/30H 3M™ Fastbond™ Contact Adhesive 2000NF 3M™ Fastbond™ Foam Adhesive 100 3M™ Fastbond™ Insulation Adhesive 49 3M™ Fastbond™ Pressure Sensitive Adhesive 4224NF 3M™ Scotch-Weld™ Cylinder Spray Adhesive 94CA	Addresses or contributes to LEED® EQ Credit 4.5: Low-Emitting Materials: Furniture and Furnishings (CI, R Option E, S Option 5 – Method A)	Case goods, furniture, mattresses	Foam, fabric, wood, metal, plastic
3M™ Fastbond™ Contact Adhesive 30NF/30H 3M™ Fastbond™ Contact Adhesive 2000NF 3M™ Fastbond™ Foam Adhesive 100 3M™ Fastbond™ Insulation Adhesive 49 3M™ Scotch-Weld™ Cylinder Spray Adhesive 94CA	Addresses or contributes to LEED® EQ Credit 4.6: Low-Emitting Materials: Ceiling and Wall Systems	Displays, partitions, decorative coverings	Drywall, fabric, tile, wood

*In these categories, 3M adhesives that are GREENGUARD™ Certified as components of your products should support your LEED® compliance efforts. Project Types: NC – New Construction, CS – Core and Shell, CI – Commercial Interiors, R – Retail, S – Schools.

Other low-emitting high-solid bonding products

Product Category	Descriptor	Green Element
3M™ VHB™ Tapes	Pressure-sensitive tape to bond and seal	100% solids
3M™ Scotch-Weld™ Structural Adhesives	High-strength, two-component assembly adhesives	Low VOC, meets SCAQMD rule 1168
3M™ Rite-Lok™ Adhesives	Maintenance and repair, thread locking adhesives, assembly, pipe sealants, gasket makers and instant adhesives	Low VOC, meets SCAQMD rule 1168
3M™ Scotch-Weld™ Hot Melt Adhesives	Fast-setting assembly adhesives	100% solids
3M™ Scotch-Weld™ Polyurethane Reactive Adhesives	Fast-setting structural assembly adhesives	100% solids
3M™ Aerosol Adhesives	Conveniently packaged spray adhesives	Low VOC, meets SCAQMD rule 1168
3M™ Scotch-Weld™ Sealants	High-performance polyurethane adhesives and sealants	Low VOC, meets SCAQMD rule 1168

For more information about 3M adhesives that are GREENGUARD Indoor Air Quality Certified®, contact your local distributor or call 1-800-362-3550.

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