emerald system™

Better for Building.
Better for the Environment.

North America's industry leader in
tile and flooring installation systems
for residential and commercial projects.

CUSTOM BUILDING PRODUCTS®
TILE INSTALLATION SYSTEMS

At CUSTOM, we build sustainability into everything that we do.

Custom Building Products is committed to environmental responsibility — in our products and manufacturing practices. We're continually searching for ways to reduce the burden on our environment and promote sustainability in everything we do. Natural stone and ceramic tile are known for their durability and long life over other floor covering options. Custom Building Products designs highly durable products with warranties that reduce the need for frequent replacement and provide the tile installation with a long lifecycle.

Biodegradable Products: Products, like cleaners, in our tile and stone care program are formulated to be biodegradable for natural recycling.

Local Plant Locations: Regional production of Custom Building Products' products reduces transportation and fuel consumption. Fifteen manufacturing locations throughout North America means that CUSTOM materials can be locally-sourced for most North American Projects.

Environmentally Responsible Facilities: We conduct regular environmental assessments of air, water and solid waste emissions at each facility, seeking ways to reduce pollution and operate more cleanly and efficiently. Our review of environmental impact is an important part of our corporate planning.

Reduce Energy Consumption and Excess Waste: CUSTOM adheres to tight, self-imposed requirements to minimize waste and pollution at every facility, and all manufacturing and distribution facilities follow stringent energy conservation guidelines. Waste is reduced through source reduction and recycling of scrap materials. Remaining waste is disposed of by safe, environmentally responsible means. Solid airborne particles in CUSTOM's facilities are captured and recycled, so that they don't end up in landfills, and waste is never permitted to enter the waterways.

CUSTOM is a leader in the construction industry, supplying our customers with environmentally-friendly products and peace of mind that they are contributing to a cleaner world.

Over 100 CUSTOM products help contribute to LEED® certification. For specific LEED information, please visit our website.

1. **Low-Emitting Materials**
   - Low-Emitting Materials – Adhesives and Sealants
   - Low-Emitting Materials – Flooring
2. **Recycled Content**
   - Custom Building Products uses post-consumer and pre-consumer recycled materials whenever possible in manufacturing our tile and stone installation products. Utilizing recycled materials helps conserve natural resources and reduce the amount of waste sent to landfills. The use of lightweight recycled glass in our CustomLite® products helps to conserve energy because these products require less fuel for transport.
3. **Environmental Product Declarations (EPDs)**
   - Industry-Wide, Third-Party Certified and Externally Verified
4. **Health Product Declarations (HPDs)**
   - Product Disclosure to 100 ppm

Build Green® with CUSTOM.®

More than 100 CUSTOM® Build Green® products already contribute to LEED certification with recycled content, regional manufacturing and low VOC emissions. When you're looking to support environmental stewardship and ensure regulatory compliance, CUSTOM offers a complete system of environmentally responsible products for surface preparation, tile setting, grouting and care.

CUSTOM is committed to meeting and exceeding ownership, industry and government requirements to safeguard planetary resources.

And now, we are pleased to announce GREENGUARD® Gold Certification (which includes California Department of Public Health Compliance) for the majority of our products. Both programs have strict volatile organic compounds (VOCs) criteria for the safety of children and other sensitive individuals. These approvals mean that the products contribute to LEED 4 credits under EQ Credit: Low-Emitting Materials. To learn more about GREENGUARD Gold Certification and our qualifying products, please visit our website.

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

BUILD GREEN

IgCC

U.S. GREEN BUILDING COUNCIL
USGBC

CALGreen

Don't Just Go Green. Go Emerald.

The Emerald System is CUSTOM's complete collection of environmentally responsible products for surface preparation, tile setting and grouting.

1. **Agency Compliance** – We eliminate the confusion around green agency compliance: Emerald System products comply with all leading environmental agency certifications.
2. **System Warranty** – Specify with confidence. When paired with qualifying mortars, Emerald System products can be eligible for CUSTOM's Lifetime Installation Systems Warranty

Emerald System products are compliant with:

- USGBC (United States Green Building Council)
- CALGreen (California Green Building Standards Code)
- IGCC (International Green Code Council)
- ICC-700 (National Green Building Standard)

Emerald System Solutions

ISSUE

Agency Compliance — Overlapping green building agencies cause confusion regarding which initiatives are needed for compliance. The landscape is changing on a regular basis with regional and national organizations making rules and recommendations regarding environmental manufacturing practices and products.

Solution

All Emerald System products have recycled material content and low VOC emission for compliance with all major green building initiatives. This eliminates any question as to whether any of the products are compliant.

ISSUE

Installation Systems Warranty — There are warranty concerns over products with recycled materials. Will products with recycled material perform as well as products that are produced with conventional materials?

Solution

All Emerald System products tie into our existing warranty systems. When used as a complete system, these products can be eligible for our Lifetime Warranty, guaranteeing your installation will be free from defects for up to a lifetime.

Our Emerald System takes environmental responsibility to a whole new level.

Mercedes-Benz Stadium, home to the Atlanta Falcons, earns LEED Platinum Status with help from CUSTOM's Emerald System™. CUSTOM contributed surface preparation, setting and grouting materials to this project. For full details, visit our case study page on our website.

CUSTOM's Emerald System™ helps Rogers Place, home of the Edmonton Oilers, score a LEED Silver Win! Through a close partnership with the builder, CUSTOM was able to help ensure every detail of the tile installation exceeded expectations. For full details, visit our case study page on our website.

Emerald System Products.

Environmentally Responsible and User-Friendly.

LevelLite® High Performance Self-Leveling Underlayment

40% lighter than other self-leveling underlayments, so it's easier to carry and pour.

- Seeks its own level in minutes
- Excellent for installations where weight is a concern
- Cures fast and will not shrink or crack

RedGard® Uncoupling Mat

A waterproof, vapor-proof uncoupling membrane that can be used for crack-isolation in most tile.

- Use to replace 1/4" (6 mm) backerboard or a second layer of plywood in flooring installations - 1 roll replaces 3-4 sheets of 1/4" (6 mm) backerboard
- Reinforced fleece bonding layer locks in mortar for a strong bond
- Mat made from 70% recycled pre-consumer waste, by weight

EBM-Lite™ Premium Epoxy Bonding Mortar

A 3-part, water-washable mortar for installations requiring exceptionally high strength, chemical and impact resistance.

- 100% Solids Epoxy system's unique formula produces a mortar with greater bond and compressive strengths
- 30% lighter than traditional epoxy mortars
- Formulated with > 20% post-consumer recycled content
- Exceeds ANSI A118.3

MegaLite® Ultimate Crack Prevention Large Format Tile Mortar

The ultimate in bond strength for demanding installation requirements with flexibility to withstand horizontal substrate movement up to 1/8".

- Maximum flexibility to prevent cracks in tile
- 40% lighter than other mortars
- Non-slump for floors, sag and slip resistant for walls
- Lightweight – A 30 lb. (13.6 kg) bag covers the same area as a 50 lb. (22.68 kg) bag of traditional mortar
- Exceeds ANSI A118.15HET and ANSI A118.11

ProLite® Premium Large Format Tile Mortar

High flexibility and bond strength in a lightweight formula with excellent handling characteristics.

- Superior non-slip/non-sag for wall applications
- Rapid Setting formula includes advanced control cure for fast track installations
- Lightweight – A 30 lb. (13.6 kg) bag covers the same area as a 50 lb. (22.68 kg) bag of traditional mortar
- Exceeds ANSI A118.15HET and ANSI A118.11

Prism® Ultimate Performance Cement Grout

This unique formula sets a new standard for high performance, cement-based grout technology.

- Uniform consistent color
- No efflorescence
- Stain Resistant – No sealer required
- 32% lighter than typical grouts and Contains 15% (by weight) post-consumer recycled content
- Exceeds ANSI A118.7

CEG-Lite™ 100% Solids Commercial Epoxy Grout

A 2-part, 100% solids epoxy grout that's easy to work and uniform in color.

- Exceptionally stain resistant, impermeable, and non-flammable
- Highly resistant to acids, alkalis and most solvents
- Offers maximum protection against staining and chemical attack
- Exceeds ANSI A118.3

CUSTOM® Systems and Services

CUSTOM's Architectural Services Department offers unsurpassed technical expertise for architects, specifiers and contractors. Our team stays up-to-date on latest changes to ANSI standards, TCNA materials and installation details. We'll help you choose the right products to ensure that the tile and stone installation specifications meet the needs of each project.

Our services include:

- Specification Review and Optimization
- Product System Recommendations
- System Warranty Coverage
- Project Owner and Contractor Meetings
- Installation Training and Site Inspections
- Technical Support

ARCAT

CSI Compliant with CSI Formats & Guidelines

ANSI Accredited Certification Program

Find us in MasterSpec® Powered by Deltek Specpoint®

Visit custombuildingproducts.com for our online architectural resources:

Full CSI Approved, 3-Part Specifications	ARCAT Wizard
ANSI Standards Product Selector	CAD Details
Database of TCNA and TTMAC Methods and Installation Types	Technical Data Sheets
BIM Objects Library	Health Product Declarations Environmental Product Declarations

NEW! We now offer Tile Contractor training 24/7.

CUSTOM® TECHNICAL UNIVERSITY

ONLINE ANYTIME

Short, video curriculum offers industry standards based training that you can take at your own pace. Open enrollment! Sign up now on our website.

Available on the App Store

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