



CERTIFIED
31-50% RECYCLED CONTENT
 Powerbond® ER3® Modular Tile products produced by C&A Floorcoverings contain between 31-50% overall recycled content, including a minimum of 23% recycled carpet (minimum 7% post-consumer content, with the balance from post-industrial content). Exact percentages vary by style.

POWERBOND RS® ER3® MODULAR TILE STYLE LIST

SCIENTIFIC CERTIFICATION SYSTEMS 1-800-ECO-FACTS

| STYLE | Overall Recycled Content % | TOTAL WEIGHT | Overall Post Industrial Content % | Overall Post Consumer Content % | STYLE | Overall Recycled Content % | TOTAL WEIGHT | Overall Post Industrial Content % | Overall Post Consumer Content % |
|----------------|----------------------------|--------------|-----------------------------------|---------------------------------|-------------------|----------------------------|--------------|-----------------------------------|---------------------------------|
| ADIRE | 34.1 | 134.7 | 27.1 | Min. 7% | MADRIGAL | 32.9 | 139.7 | 25.9 | Min. 7% |
| ARAGON | 34.7 | 132.7 | 27.7 | Min. 7% | MARTINIQUE | 33.2 | 138.7 | 26.2 | Min. 7% |
| BARCELONA | 34.1 | 134.7 | 27.1 | Min. 7% | MONK'S CLOTH | 34.7 | 132.7 | 27.7 | Min. 7% |
| BATRA | 34.7 | 132.7 | 27.7 | Min. 7% | MOONSTRUCK | 35.5 | 129.7 | 28.5 | Min. 7% |
| BAUHAUS | 34.7 | 132.7 | 27.7 | Min. 7% | NEURON | 35.5 | 129.7 | 28.5 | Min. 7% |
| BINARY | 33.7 | 136.7 | 26.7 | Min. 7% | OAKMONT | 34.7 | 132.7 | 27.7 | Min. 7% |
| BLOCK WEAVE | 34.7 | 132.7 | 27.7 | Min. 7% | OCEANA | 34.7 | 132.7 | 27.7 | Min. 7% |
| BOGOLAN | 35.5 | 129.7 | 28.5 | Min. 7% | ODYSSEY | 34.7 | 132.7 | 27.7 | Min. 7% |
| BOTANICA | 34.7 | 132.7 | 27.7 | Min. 7% | PANACHE | 34.1 | 134.7 | 27.1 | Min. 7% |
| CALEDONIA | 33.7 | 136.7 | 26.7 | Min. 7% | PLEXUS ACCENTS II | 31.8 | 144.7 | 24.8 | Min. 7% |
| CALYPSO | 34.1 | 134.7 | 27.1 | Min. 7% | RIO | 33.7 | 136.7 | 26.7 | Min. 7% |
| CHAOS | 34.7 | 132.7 | 27.7 | Min. 7% | ROUND HOLES | 34.1 | 134.7 | 27.1 | Min. 7% |
| CORINTH | 33.7 | 136.7 | 26.7 | Min. 7% | SAIL AWAY | 36.3 | 126.7 | 29.3 | Min. 7% |
| DANCE | 34.7 | 132.7 | 27.7 | Min. 7% | SENTINEL | 34.7 | 132.7 | 27.7 | Min. 7% |
| DANCE HALL | 34.7 | 132.7 | 27.7 | Min. 7% | SENTINEL 18 | 35.2 | 130.7 | 28.2 | Min. 7% |
| ECOTONE 22 | 46.4 | 134.7 | 39.4 | Min. 7% | SENTINEL 24 | 33.7 | 136.7 | 26.7 | Min. 7% |
| ENVOY | 35.7 | 128.7 | 28.7 | Min. 7% | SISAL WEAVE | 34.7 | 132.7 | 27.7 | Min. 7% |
| EVASIVE ACTION | 35.5 | 129.7 | 28.5 | Min. 7% | SKYE | 34.7 | 132.7 | 27.7 | Min. 7% |
| EXPEDITION | 35.7 | 128.7 | 28.7 | Min. 7% | SOMA | 33.7 | 136.7 | 26.7 | Min. 7% |
| EXPLORER | 36.4 | 126.4 | 29.4 | Min. 7% | SONAR | 34.7 | 132.7 | 27.7 | Min. 7% |
| FRACTAL | 33.7 | 136.7 | 26.7 | Min. 7% | SQUARE PEGS | 34.1 | 134.7 | 27.1 | Min. 7% |
| GRIDWORKS | 34.1 | 134.7 | 27.1 | Min. 7% | SYNAPSE | 34.7 | 132.7 | 27.7 | Min. 7% |
| GUARDIAN PLUS | 34.7 | 132.7 | 27.7 | Min. 7% | TALISKER | 33.1 | 138.8 | 26.1 | Min. 7% |
| HABITAT | 45.0 | 127.7 | 38.0 | Min. 7% | TIBET | 36.3 | 126.7 | 29.3 | Min. 7% |
| HARVEST | 34.7 | 132.7 | 27.7 | Min. 7% | TIMELESS | 32.7 | 140.7 | 25.7 | Min. 7% |
| INFINITY | 34.7 | 132.7 | 27.7 | Min. 7% | TSUNAMI | 33.7 | 136.7 | 26.7 | Min. 7% |
| KENTE | 34.7 | 132.7 | 27.7 | Min. 7% | TUSSAH | 34.1 | 134.7 | 27.1 | Min. 7% |
| KIVA | 34.7 | 132.7 | 27.7 | Min. 7% | TWISTED SUEDE | 33.2 | 138.7 | 26.2 | Min. 7% |
| KUBA | 34.7 | 132.7 | 27.7 | Min. 7% | VOYAGER | 34.1 | 134.7 | 27.1 | Min. 7% |
| LAUREL | 36.3 | 126.7 | 29.3 | Min. 7% | WATERSTONE | 33.7 | 136.7 | 26.7 | Min. 7% |
| LINE-UP | 35.5 | 129.7 | 28.5 | Min. 7% | WAYFARER | 35.2 | 130.7 | 28.2 | Min. 7% |
| LUMINAIRE | 33.2 | 138.7 | 26.2 | Min. 7% | YOSEMITE | 45.9 | 132.7 | 38.9 | Min. 7% |

1. Powerbond® ER3® Modular Tile products produced by C&A Floorcoverings contain between 31-50% overall recycled content, including a minimum of 23% recycled carpet (minimum 7% post consumer content, with the balance from post industrial content as certified by SCS.)

2. ER3® backing is made from 100% recycled plastic and contains a minimum of 75% recycled carpet of which a minimum is 25% post consumer as verified by Scientific Certification Systems. Exact percentages vary by style.

3. C&A has a carpet collection / recovery system and a currently operational, commercial scale, recycling process to recycle vinyl backed carpet. Carpet recycled in the process is used to produce ER3, 100% recycled content carpet backing. Powerbond carpet, when recovered is 100% recyclable in this process as verified by Scientific Certification Systems.

4. U.S. Patent numbers 4,849,267; 5,728,741; 5,855,981; 5,914,353 and other patents pending.

5. For product specification sheets & updated certificate please contact your Account Manager .

Revised 3/4/03



3. Product Performance

This category focuses on whether the product performs at or above recognized industry performance standards.

- C&A's ER3 products meet or exceed industry performance standards for commercial carpet.
- Product VOC emissions, inclusive of pre-applied adhesive, comply with the CRI Green Label standards for carpet.

4. Extended Product Responsibility

Long-term responsibility of the manufacturer includes ensuring that existing and new carpet products can be collected, processed, and recycled within the existing carpet recycling infrastructure.

- C&A's award-winning and internationally recognized Center for Environmental Innovation has reclaimed and recycled nearly 100 million pounds of carpet and industrial waste since 1995. In addition, C&A hosts more than 500 visitors annually to tour the Environmental Center and observe firsthand the largest carpet recycling operation in the world. Today, C&A is working with more than 50 Fortune 500 companies and government agencies on major ongoing carpet recycling programs, diverting millions of pounds of carpet from going to landfills and incinerators.
- C&A provides the industry's only "No Excuses" warranty. C&A guarantees in writing that all vinyl-backed carpet reclaimed for recycling will be recycled into new floorcoverings.

5. Innovation

Points can be earned by submitting one or more environmental initiatives for consideration. Innovation credits are determined by case-by-case evaluations.

To determine environmental preferability, SCS evaluates detailed information about the environmental performance of the products in questions. Points are assigned for specific criteria in each of five categories. To achieve certification, products undergoing assessment must score at least 75 points overall, and a minimum of 50% of each of the possible points in each category excepting innovation.

Please contact your local Tandus representative for more information or call Tandus at 1.800.248.2878 or visit our website at www.tandus.com.



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Environmentally Preferable Product (EPP) Certification

TANDUS EXECUTIVE SUMMARY

Tandus' C&A Floorcoverings has earned EPP certification for its entire line of ER3® Modular Carpet. Additionally, EPP certification has been awarded to C&A's ER3 six-foot structured back broadloom – the industry's only carpet made with a cushioned recycled-content secondary backing.



Environmentally Preferable Product Designation for Carpet

What is Environmentally Preferable?

On September 14, 1998, then President Clinton signed Executive Order (EO) 13101 – "Greening the Government through Waste Prevention, Recycling, and Federal Acquisition" which, among other measures, directs Executive agencies to identify and purchase Environmentally Preferable Products. "Environmentally Preferable" is defined in Section 201 of EO13101 to mean products or services that "have a lesser or reduced effect on human health and the environment when compared with competing products or services that serve the same purpose." This comparison may consider raw materials acquisition, production, manufacturing, packaging, distribution, reuse, operation, maintenance, or disposal of the product or service.

Increase in the use of Third-Party Certification to Counter "Greenwash"

One result of the heightened interest in sustainable design and construction practices among design professionals, contractors, developers and building owners is the increasing complexity and

proliferation of environmental claims made by manufacturers about their products. While many claims about the environmental attributes of certain building materials or products are accurate, many are not. The term “greenwash” has become widely used to describe environmental claims that are misleading or inaccurate. Unfortunately, greenwash deters meaningful progress because it creates confusion and frustration for specifiers in their attempts to fairly evaluate products and building materials. Greenwash also penalizes manufacturers that have committed the resources to research and develop new environmentally preferable products, technologies, and processes and wrongly rewards manufacturers that are avoiding scrutiny and make inaccurate or ambiguous claims.

U.S. Federal Trade Commission's Environmental Marketing Guides

Fortunately for specifiers, some tools have emerged to assist them in making informed decisions about the true environmental attributes of building materials. In order to provide consumers with clear, accurate information and to prevent misleading and deceptive claims in the marketplace, the U.S. Federal Trade Commission created a set of guides for making environmental marketing claims. These guides establish standards that manufacturers must comply with in order to represent and market their products with environmental claims such as recyclability, recycled content, and biodegradable, to name a few. Tandus fully subscribes to the FTC Guides and actively promotes their use within the industry. The Guides are helpful for specifiers because they suggest a framework for evaluating marketing claims.

Please refer to the Tandus Executive Summary about the FTC Environmental Marketing Guides or visit www.ftc.gov for more information about the Guides.

Third-Party Certification to Verify Manufacturer Claims

Another practice that is gaining widespread support and has been endorsed by the U.S. Environmental Protection Agency (EPA) is the use of independent third-party certification to verify the accuracy of manufacturer environmental marketing claims. Third-party certification is particularly useful to specifiers since it can be included in the specifications as a part of the product evaluation and submittal process.

Tandus' C&A Floorcoverings pioneered the use of third-party certification for the floorcoverings industry in 2000 when it engaged Scientific Certification Systems (SCS) to analyze and certify the recycled-content values of the entire C&A ER3 modular carpet product offering. Since then, SCS has conducted an ongoing assessment and analysis of C&A products and on-site audits of C&A's recycling and manufacturing operations.

C&A selected SCS to conduct the environmental analysis because of the organization's credibility and the very rigorous process SCS employs to certify claims. SCS is an internationally respected, neutral third party testing and certification organization dedicated to evaluating a wide variety of environmental and food safety claims. More information about SCS is available at www.scs-certified.com.

How Do Products Earn EPP Certification?

SCS has used a combination of resources including ISO 14024 Principles and Procedures for Type I Environmental Labeling, EPA's Federal Guidance on Environmentally Preferable Purchasing and ASTM E2129 Data Collection for Sustainability of Building products to guide the development of the environmentally preferable specification for carpet. The specification is designed to address all key stages of the product life-cycle and incorporate environmental and human health issues relevant to the category, while at the same time provide a flexible framework that recognizes and accommodates the wide range of materials, locations, energy sources, production systems, performance requirements, and corporate initiatives involved in the production of carpet today.¹

To achieve EPP certification, five sets of criteria are examined:

1. Resource Conservation

This category encourages the selection and use of component materials manufactured wholly or in part from recycled content (post-consumer and post-industrial), bio-based, and environmentally preferable ingredients – as well as encouraging the active sourcing of alternative energy.

- C&A's ER3 modular carpet contains 31% to 50% overall recycled content (including 8% post consumer carpet) depending on the style.
- ER3 cushion broadloom contains 34% to 51% overall recycled content (including a minimum of 5% post consumer recycled carpet) depending on the style.
- On average, every square yard of ER3 floorcovering produced in 2002 contained one pound of post-consumer carpet. This is more than twice the 2002 recycling rate specified by the Carpet America Recovery Effort (CARE).
- More than 5% of energy used in C&A's manufacturing operations is generated from renewable sources.

2. Product Manufacturing

This category examines the emissions and waste generation effects of production.

- C&A has reduced energy consumption by 6% per square yard over the past 3 years as part of the company's ongoing energy reduction efforts.
- Waste has been reduced to less than 1% of production. By weight, this is less than 1 ounce for every 5.9 pounds of carpet manufactured at C&A.