

## **ANSI A138.1 Green Squared Specifications for Sustainable Ceramic Tiles, Glass Tiles and Tile Installation Materials**

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**ANSI Standards Writing Organization:** Tile Council of North America, Inc.  
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**Chair of ANSI A108 Committee** – Mr. Christopher Walker, David Allen Company, Bristow, VA

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**Standard Scope** – This standard establishes a consistent approach to the evaluation and identification of environmentally preferable and sustainable ceramic tiles, glass tiles, and tile installation materials. The standard includes relevant criteria across product life cycle from raw material extraction through manufacturing, use, and end-of-life management. As used in this standard, the term "ceramic tiles" includes, but is not limited to, mosaic, quarry, pressed floor, glazed wall, porcelain, and specialty tiles. The term "glass tiles" includes, but is not limited to, cast glass, fused glass, and low-temperature coated glass tiles. The term "tile installation materials" includes, but is not limited to, mortar adhesives, mastic adhesives, reactive resin adhesives, grouts, tile backer units, crack isolation membranes, waterproofing membranes, water containment membranes, and sound reduction membranes. The standard is applicable to products manufactured in one facility or multiple facilities, one country or multiple countries.

**Use of this Standard** – The criteria of this standard and all associated product labeling efforts serve to:

- Enable the development and use of sustainably manufactured tile and installation materials;
- Guide all stakeholders in environmental and social responsibility throughout the supply chain for tiles and installation materials; and
- Provide a verifiable resource for tile product specification and for design professionals, contractors, and consumers to identify sustainable tiles and installation materials.

Additionally, this standard is the basis for the **Green Squared®** certification program which was developed by the Tile Council of North America (TCNA) as part of its ongoing initiative to support the efforts of producers, purchasers and policy makers to improve environmental and social sustainability of products and services. Under the **Green Squared®** program, tiles and installation materials can be certified by an authorized third party (NSF International, SCS Global Services (SCS), or Underwriter Laboratories (UL) Environment) if found to meet the stringent set of multi-attribute sustainability criteria of ANSI A138.1. With **Green Squared Certified®** products in the marketplace, specifiers and consumers can easily and confidently design full systems of tiling products which possess the sustainability characteristics most important to the North American green building community.

**Elements of Standard-** Environmental Product Characteristics  
Environmental Product Manufacturing and Raw Material Extraction  
End of Product Life Management  
Progressive Corporate Governance  
Innovation

**Conformance Levels:** Conformant  
Green Squared Certified®

### **Manufacturers with Certified Products**

For a list of manufacturers with certified products, visit [www.GreenSquaredCertified.com](http://www.GreenSquaredCertified.com)

**Educational Programs** –AIA Continuing Education Program (CEU)

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