



ENVIROGLAS™
PRODUCTS INC.

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**EnviroGLAS Terrazzo Assessment and Evaluation
USGBC LEED® 2.1**

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EnviroGLAS poured-in-place Epoxy Terrazzo, is an environmentally beneficial construction material that can aid significantly in the environmental goals of Green Buildings. Projects seeking certification under the U. S. Green Building Council's (USGBC) LEED® Rating System, Version 2.1, can expect these products to contribute to several of the LEED credit points. Of the 69 total points available, EnviroGLAS Terrazzo can realistically contribute to 7-plus project points.

Recycled Content Credit MR Credit 4.1 or 4.2 (1 to 2 points)

EnviroGLAS Epoxy Terrazzo, is comprised of Recycled Glass Aggregates, Recycled Glass Fillers, and Epoxy Resins. The products can be specified with 100% post-consumer glass or some mix of post-consumer and post-industrial product. The recycled content, by weight, of the final product is approximately 75%. As a result, up to 75% of the dollar value of the final product will contribute to the LEED targeted percentages of total building recycled material value (5% Credit 4.1 and 10% Credit 4.2). A little less percentage can be expected if you specify some of the post-industrial options.

Regional Materials MR Credit 5.1 and 5.2 (1 to 2 points)

EnviroGLAS Epoxy Terrazzo is fabricated and assembled on site therefore qualifying it as a regionally manufactured material. EnviroGLAS can procure the Recycled Glass Aggregates, Recycled Glass Fillers, and Epoxy Binders from regional sources (within 500 miles) for use in the final product assembly. With supplies available across the United States, the use of EnviroGLAS Epoxy Terrazzo can easily contribute to LEED requirements for both Regionally Manufactured and Regionally Extracted materials on most U. S. Projects.

Construction Waste Management MR Credit 2.1 or 2.2 (1 to 2 points)

EnviroGLAS Epoxy Terrazzo can be a part of the construction waste management team and assist in the reclamation of glass waste from the construction process. In projects that require demolition of existing structures, EnviroGLAS can be a part of the construction waste management team – reclaiming glass waste and thereby avoiding disposal into the landfill. If desired, the salvaged glass can potentially be used in the flooring of the new building project.

Low Emitting Materials – Adhesives and Sealants EQ Credit 4.1 (1 point)

EnviroGLAS Epoxy Terrazzo, utilizes binders, resins and primers with VOC limits that range from zero to 60 g/L (based on information provided to the reviewer). This is considerably below the VOC limits required for compliance with South Coast Air Quality Management District Rule #1168 VOC Limits and the Bay Area Air Quality Management District Regulation 8, Rule 51. Most of the epoxy manufactures of thin set epoxy terrazzo systems have moved to 100% solids formulas, eliminating the addition of any VOC's to the material. EnviroGLAS can provide certification of VOC compliance from its epoxy manufacturer.

Innovation in Design

EnviroGLAS Epoxy Terrazzo, can also potentially gain additional points under the LEED Innovation in Design Category. Extensive use of these products as a predominant floor material can potentially result in an installation with a Life Cycle Analysis that exceeds that of other materials. Extensive use could also contribute to the project excelling in the Recycled Content Category – reaching the next threshold of total building recycled content value. These and other innovative scenarios can potentially earn the project additional LEED Points. Points are awarded at the discretion of the submittal reviewer contracted with the USGBC.