

CrownTech™ - Technical Bulletin No. 5

LEED and Green Seal Information

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INTRODUCTION

Crown Polymers polymer products have the best life cycle cost of all other floor and wall products for commercial, institutional and industrial facilities where an aesthetic or functional flooring system is required. They are nearly maintenance free and extremely durable.

INERT CURE

Indoor air quality is unsurpassed during post installation. They are dust free unless abraded and they are odorless after cure, because they are inert. The floor and wall products and systems are not a food source for microorganisms, unlike other surfacing.

ANTIMICROBIAL AGENT

In addition, Crown Polymers offers the antimicrobial agent Silver[®] which can be added at the time of manufacture that reduces algae, bacteria, fungi, mildew and mold at its interface. The active ingredient in Silver, from Milliken Chemical, is an EPA registered non-heavy metal alternative biocide for epoxy floor and wall systems. EPA Regulation Number 11631.2. US Patent Number US 9,247,736 B2. Other flooring products are known food sources for microbial organisms.

MATERIAL and RESOURCE POTENTIAL CREDITS (MR)

1. MRcr 1.3 Building Reuse Credit (1 point possible): Crown Polymers products and systems often last the life of the facility. During the life of the products the luster can easily be restored to its original gloss. If it is damaged it may be easily restored.
2. MRcr4.1 and 4.4 Recycled Content Credit (2 points possible): Some of Crown Polymers' polymer products and systems, such as CrownTerrazzo No. 8370 Thin Set Epoxy Terrazzo, can use recycled mother-of-pearl, recycled glass finds and glass chips, mining talus (waste) salvaged from quarries, mostly calcium carbonates (marble) and other stones, and other

recycled materials. Other recycled materials include recycled aluminum and brass strips. One point is for the first 10% recycled content and a second point is for an additional 10% (total 20%).

3. MRcr5.1 and 5.2 Local Regional Material Credits (2 points possible): Crown Polymers manufactures in Santa Fe Springs, CA and Huntley, IL. One point is awarded if 10% of the overall facility materials are manufactured within a 500-mile radius of the project. A second point is awarded if the total percentage of the regional materials is at least 20%.

ENVIRONMENTAL QUALITY (EQ)

4. EQcr 4.1 Indoor Emitting Materials Credit (1 point possible): Crown Polymers' polymer products and systems are organic chemistries; some may have inorganic powders, aggregates and strips. The organic based polymers, which cure inert, include membranes, primers, body coats, mortar binders, grouts, topcoats, sealers and joint fillers. The products are VOC compliant in all states and provinces in North America. The combined inorganic and organic chemistries cure to non-reversible inert solids.
5. Note: In addition, the products do not contain chemicals deemed by Green Seal, Inc. as unacceptable, and they meet or exceed Green Seal G-11, the Green Seal Standard for Paints, Coatings, Stains, and Sealers.

INNOVATIVE DESIGN (ID)

6. IDcr 1 Innovative Design Credit (1 point possible): Crown Polymers' products and systems can easily qualify for Innovative Design. As an example, no other flooring material is as versatile as thin set epoxy terrazzo. It has been said, "Whatever the designer can conceive and the owner can afford, can be achieved."

LEED[®] (Leadership in Energy and Environmental Design) Rating System is a registered trade name of USGBC (U.S. Green Building Council) and Green Seal[®] Standard is a registered trade name.

DISCLAIMER

The Technical Bulletin is intended to provide the most current data available to assist the Contractor in making the best decisions. All technical bulletins, installation guidelines, recommendations, statements, specifications, and technical data contained herein are based on information and tests. The accuracy and completeness of such tests are not guaranteed and are not to be construed as a warranty, expressed or implied. It is the responsibility of the user to document information and tests to determine the intent of the product for one's own use. The application, job conditions and user assume all risks and liability resulting from use of the product. We do not suggest or guarantee any hazards listed herein are the only ones, which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use the product. Recommendations or statements, whether in written or verbal, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Crown Polymers makes no claim that these tests or any other tests accurately represent all environments. Not responsible for any typographical errors.

LIMITED WARRANTY

Crown Polymers warrants its products to be free of manufacturing defects and meets all Crown Polymers current published physical properties. Crown Polymers' sole responsibility shall be to replace the portion of any product proved to be defective. There are no other warranties by Crown Polymers of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Crown Polymers shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Crown Polymers shall not be responsible for the use of this product in a manner that infringes on any patent held by others. In addition, no warranty or guarantee pertaining to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator will be issued. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Crown Polymers reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

