

REQUIRED LEED INFORMATION for LEED v4 Documentation

PRODUCT DESCRIPTION

BASF Corporation (BASF) WALLTITE® LWP Spray Polyurethane Foam (SPF) Insulation and Air Barrier

Materials & Resources

Building product disclosure and optimization - environmental product declaration

- **Option 1: EPDs (1 Point Potential)** Industry-wide (generic) EPD available for SPF via the Spray Polyurethane Foam Alliance -- Products with third-party certification (Type III), including external verification, in which the manufacturer is explicitly recognized as a participant by the program operator are valued as one half (1/2) of a product for purposes of credit achievement calculation.
- https://www.astm.org/CERTIFICATION/DOCS/415.EPD_for_SPFA-EPD-20181029-HFO.pdf

Building product disclosure and optimization - sourcing of raw materials (possible 2 points)

- **Option 1: raw material source and extraction reporting (1 Point Potential)**
 - Global Reporting Initiative (GRI) Sustainability Report: The BASF GRI report is A+ rated (external assurance or third party verified) its "assurance scope" is "limited"; therefore, it is valued as one half (1/2) of a product for credit achievement.
 - http://report.basf.com/2017/en/overviews/gri-and-global-compact-index.html?pk_campaign=lp-gri-button.html
- **Option 2: leadership extraction practices**
 - **Recycled Content – (1 Point Potential)**
 - The project must have 10% minimum recycled content (based on cost) to qualify for a point, 20% or greater gets an additional point. Use LEED formula to calculate content (Post-consumer + ½ Pre-consumer) for credit. The recycled contents below are based on weight per ISO 14021.
 - **6.25%** of this material composed of Pre-Consumer (Post-Industrial) recycled content
 - Identify the source of the recycled content and the material it is replacing
 - Source: Polyester plastic (PET)
 - Replaces: Virgin petroleum based polyol
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 - **4.7%** of this material composed of Post-Consumer recycled content
 - Identify the source of the recycled content and the material it is replacing:
 - Source: Bottle grade PET
 - Replaces: Virgin petroleum based polyol
 - **BASF Elastospray® 8000A Isocyanate** ...Manufacture Point: Geismar, Louisiana 70734
 - **BASF WALLTITE® LWP RESIN** ...Manufacture Point: Houston, Texas 77054

Indoor Environmental Quality

Low Emitting Materials (1-3 Points Potential)

General emissions evaluation. Building products must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1-2010 using the applicable exposure scenario.

BASF WALLTITE® LWP (Information can be found on the SDS) has 0 g/L emissions and meets the requirements of CA Section 01350 for VOC emissions and formaldehyde. BASF WALLTITE® LWP has a TVOC of 0.5 mg/m³ or less.

Thermal Comfort (1 Point Potential)

Option 1; Design HVAC systems and the building envelope to meet the requirements of ASHRAE Standard 55-2010, Thermal Comfort Conditions for Human Occupancy, with errata or a local equivalent. BASF WALLTITE® LWP can be applied to different thicknesses and “R” values helping achieve this standard.

Energy & Atmosphere

Optimize Energy Performance (18 Points Potential)

BASF WALLTITE® LWP has an R value of 6.6 per inch.

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, they are provided for guidance only. Because many factors may affect processing or application/use, including without limitation, changes in wall components, thickness or air space, BASF recommends that the reader make tests to determine the suitability of a product for a particular purpose prior to use and seek the advice of a qualified BASF representative. **NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESCRIPTIONS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS.** In no case shall the descriptions, information, data or designs provided be considered a part of BASF's terms and conditions of sale. Further, the descriptions, designs, data, and information furnished by BASF hereunder are given gratis and BASF assumes no obligation or liability for the descriptions, designs, data or information given or results obtained all such being given and accepted at the reader's risk.