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<http://www.usgbc.org/resources/grid/leed><http://www.usgbc.org/resources/grid/leed>

## REQUIRED INFORMATION for LEED v4 Documentation

### PRODUCT DESCRIPTION

BASF Corporation (BASF) WALLTITE® One Spray Polyurethane Foam (SPF) Insulation

### 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.

- **ASTM EPD-085**

[https://www.astm.org/CERTIFICATION/DOCS/415.EPD\\_for\\_SPFA-EPD-20181029-HFO.pdf](https://www.astm.org/CERTIFICATION/DOCS/415.EPD_for_SPFA-EPD-20181029-HFO.pdf)

- **SPF Life Cycle Assessment**

[http://www.sprayfoam.org/files/docs/tech-docs/SPFA\\_EPD\\_Background\\_Report\\_10\\_29\\_2018.pdf](http://www.sprayfoam.org/files/docs/tech-docs/SPFA_EPD_Background_Report_10_29_2018.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](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.

- **3.3%** 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

- **5.35%** 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® One RESIN** ...Manufacture Point: Houston, Texas 77054



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### **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® One (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® One has a TVOC of 0.5 mg/m<sup>3</sup> 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® One can be applied to different thicknesses and "R" values helping achieve this standard.

### **Energy & Atmosphere**

#### **Optimize Energy Performance (18 Points Potential)**

BASF WALLTITE® One has an R value of 7.5 per inch at <3.5" specification, R value of 7.2 per inch at ≥3.5" specification.