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REQUIRED INFORMATION for LEED v4 Documentation

PRODUCT DESCRIPTION

BASF Corporation (BASF) WALLTITE® RSB 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
 - **SPF Life Cycle Assessment**
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
- **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.
 - **6.9%** 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
 - **9.2%** 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® RSB 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® RSB (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® RSB 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® RSB can be applied to different thicknesses and "R" values helping achieve this standard.

Energy & Atmosphere

Optimize Energy Performance (18 Points Potential)

BASF WALLTITE® RSB has an R value of 7.6 per inch at <3.5" specification, R value of 7.3 per inch at ≥3.5" specification.