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Commercial Construction-Americas

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RE: FlameSafe® Firestopping Materials
LEED® Product Information

To Whom It May Concern:

This letter will detail the contribution of FlameSafe firestopping materials to the LEED Green Building Rating System in accordance with LEED-NC Version 2.2 for New Construction and Major Renovations of existing buildings.

MR Credit 2.1: Construction Waste Management, Divert 50% from Disposal

MR Credit 2.2: Construction Waste Management, Divert 75% from Disposal

In areas where facilities exist, the following FlameSafe materials are recyclable and can contribute to earning Materials and Resources Credit 2.1 or Credit 2.2.

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|-----------------------|------------------|--------------------|
| • Carton | Cardboard | 2 lbs/carton |
| • 10.3 oz. caulk tube | HDPE | 0.3 oz/tube |
| • 20.2 oz foil pack | Aluminum | 0.32 oz/pack |
| • 31 oz. caulk tube | HDPE | 0.5 oz/tube |
| • 31 oz. caulk tube | fiberboard | 0.5 oz/tube |
| • 1 gallon pail | HDPE | 0.75 lb/pail |
| • 4 gallon pail | HDPE | 1.46 lb/pail |
| • 5 gallon pail | HDPE | 3 lbs/pail |
| • FlowTrak Mix Bag | Kraft paper | 0.5 lb/bag |
| • FlowTrak H Track | galvanized steel | 1.7 lb/linear foot |
| • Wooden pallet | wood | 45 lbs/pallet |

MR Credit 4.1: Recycled Content, 10%

MR Credit 4.2: Recycled Content, 20%

The recycled content of FlameSafe Firestopping materials is as follows and can contribute to earning Materials and Resources Credit 4.1 and Credit 4.2.

<u>FlameSafe Product</u>	<u>Wt. Percent Post Consumer</u>	<u>Wt. Percent Post Industrial</u>
FlowTrak Mix	2.1	2.1
FlowTrak H Track	0	80.0





MR Credit 5.1: Regional Materials, 10% Extracted, Processed & Manufactured Regionally
MR Credit 5.2: Regional Materials, 20% Extracted, Processed & Manufactured Regionally
FlameSafe firestopping materials are manufactured in several locations in North America. If these locations fall within a 500-mile radius of the project site and the location the raw materials used to make the finished product are extracted, recovered or harvested within a 500-mile radius of the project, then these materials or a portion of the materials can contribute to earning Materials and Resources Credit 5.1 and Credit 5.2.

The following are the locations of the FlameSafe firestopping materials manufacturing plants:

<u>FlameSafe Product</u>	<u>Location</u>
All FlameSafe Products	Hatfield, Pennsylvania
FlowTrak Mix	Ajax, Ontario, Canada
	Irondale, Alabama
	Santa Ana, California
FlowTrak H Track	Salina, Kansas

Please contact your local Grace Representative to request a project specific letter pertaining to Credit 5.1 and Credit 5.2. The letter will provide the location where the raw materials are extracted, recovered or harvested in relation to the location of the project.

EQ Credit 4.1: Low Emitting Materials, Adhesives & Sealants

EQ Credit 4.2: Low Emitting Materials, Paints & Coatings

The volatile organic content (VOC) of FlameSafe firestopping materials is listed below for those products that are lower than the minimum LEED requirements for low-emitting materials. These materials can help contribute to earning Indoor Environmental Quality EQ Credit 4.1 and 4.2.

<u>FlameSafe Product</u>	<u>EQ Credit</u>	<u>VOC Content (g/l)</u>
FS 1900 Series Sealant	4.1	10.9
FS 900+ Series Sealant	4.1	5.4
FS 900 Series Compound	4.1	11.0
FS 4000 Silicone Sealant	4.1	25.0
FlameSafe Silicone Sealant	4.1	45.0
FSP 1000 Putty	4.1	1.0
FSP 1077 Putty Pad	4.1	1.0
FlameSafe C700 Cable Spray	4.2	6.0
FS 3000 Spray	4.2	30.0

Please feel free to contact me with any additional questions or information.

Sincerely,

Craig Boucher LEED AP
Grace Technical Services Manager