United States FireProofing

FireStop dB™

Setting a new standard for thermal, fire, & sound performance.

FireStop dB™

- ***Green*** - 60% recycled, 45% sustainable
- ***Inorganic*** - resists mold, mildew & fungus
- ***Fireproof*** - listed by UL as non-combustible
- ***Thermal Performance*** - R-Values of 4.1 per inch
- ***Sound Deadening*** - improved interior sound quality

Up to **60%** Recycled Content

LEED Green Building Credits

Energy & Atmosphere	Materials & Resources	Indoor Environmental Quality	Innovation in Design
1	2.1, 2.2 3.1, 3.2 4.1, 4.2 5.1, 5.2	3.1, 3.2 9	1

Contributes up to 31 LEED credits across 4 catagories.

Submittal Approval

Job Name:	
Contractor:	**Date:**

FireStop dB™

DESCRIPTION: **FireStop dB™** is designed to meet your specific project requirements for thermal (R-value), acoustic/noise reduction (NRC), condensation control, and aesthetics in the industrial, commercial and multi-family construction markets. It is applied to virtually any properly prepared surface configuration of metal, wood, concrete, and gypsum. **FireStop dB™** is designed to stand up to extreme climate changes in North America and moisture intense environments. **FireStop dB™** provides the best possible combination of fire protection, sound control, thermal performance, and energy conservation. **FireStop dB™** mineral wool insulation is an ecologically sound product made from sustainable products and recycled materials. It contains NO asbestos, formaldehyde, or chemical additives. **FireStop dB™** is NON-combustible, moisture-resistant, NON-corrosive, will not decay or breakdown, and will not sustain mold, mildew, or fungus.

INSTALLATION: Install **FireStop dB™** using approved pneumatic equipment equiped with an auxiliary high pressure liquid line designed to uniformly add **FireStop dB™** adhesive. **FireStop dB™** can be applied in a single lift application. The moisture content should not exceed 15% maximum. **FireStop dB™** must be sprayed using only approved materials and equipment in accordance with the current installation instructions. For complete installation instruction visit our website at www.USFireproofing.com

Design Considerations: Maximum thickness on overhead surface without mechanical support is 5" on horizontal surface or 7" in a sloped application. Adhesive must be protected from freezing. Allow extra time for low temperatures or high humid conditions.Consult your United States Fireproofing Sales Representative for installation practices in temperatures as cold as -10°F.

Product Data: Insulation is packaged in 30 lb. bags. It should be stored under roof, in a dry location, and rotate FireStopdB™on a regular basis. Do not stack more than 11 bags high.

Technical Data:

Thickness	Nominal Density	Tested to ASTM C 518	Tested to ASTM E 84	
		R-Value	Flame Spread	Smoke Development
1"	4 pcf	4.14	5	0

Tested to ASTM C 423							
Thickness/Substrate	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.5"/Plywood	0.04	.30	.82	1.02	1.16	1.03	.85
3" /Plywood	.21	.65	1.18	1.26	1.22	1.17	1.1
1.5"/Galv. Steel	0.08	.20	.56	.88	1.00	1.03	.65
3"/Galv. Steel	.17	.45	1.00	1.16	1.12	1.11	.95

These values were obtianed in a NAVLAP certified facility

Standard Compliance:

ASTM E 136	Non-Combustible
ASTM E 119-00	Std Test Methods for Fire Tests of Bldg. Const. & Mat'ls
ASTM E 96	Standard Test Methods for Water Vapor Transmission of Materials
ASTM E 736	Standard Test Method for Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members
ASTM E 759	Standard Test Method for Effect of Deflection on Sprayed Fire-Resistive Material Applied to Structural Members (Pass)
ASTM E 859	Standard Test Method for Air Erosion of Sprayed Fire-Resistive Materials Applied to Structural Members - 0.1 gram loss in 24 hrs.
ASTM C 1014	Standard Specification for Spray Applied Mineral Fiber
ASTM C 739	Smoldering Combustion (Pass)
ASTM C 553	Moisture Absorption (Pass)
ASTM C 665	Non Corrosive (Pass)
ASTM C 1338	Mold & Fungus Resistance (Pass)
SBCCI Report 9551A	Fire Resistive Construction
UL Classified per Follow-up	R14191

Approved by the New York City Board of Standards and Appeals under MEA #352-98-M

For More Information Contact:

United States FireProofing

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CLASSIFIED UL

MADE IN U.S.A.