

February 22, 2024

**Re: Mineral Wool Substitution**

To JM Mineral Wool Customers,

We truly appreciate your confidence in our ability to provide high-quality mineral wool solutions for your projects and look forward to being competitive with our products for many years to come.

With the current competitive supply situation, our plant in Phenix City is unable to keep up with demand, even running 24/7. This is causing long delays in procuring products for your commercial projects and unnecessary delays in project construction.

To alleviate the situation we recommend substitution of fiberglass or polyiso products for mineral wool where possible without compromising performance. Interior products can be effectively replaced by fiberglass, exterior products can be substituted with polyiso in many instances.

Inside the building envelope, unfaced fiberglass meets many of the same required ASTM standards as light-density mineral wool (SAFB) applied in the stud cavities:

	<u>Mineral Wool (SAFB)</u>	<u>Unfaced Fiberglass</u>
ASTM E84 Flame Spread/Smoke Developed	0/0	<25 /<50
ASTM E136 Noncombustible	Pass	Pass
ASTM C518 R-Value at 75°F	3.7 per inch	3.8 per inch
Nominal Density	2.5 pcf	+/- 1 pcf

Even the STC ratings are roughly the same with fiberglass in lieu of mineral wool. Our testing indicates a maximum differential of -1 STC point for fiberglass vs mineral applied in stud cavities of tested acoustical assemblies.

Outside the building envelope, AP Foil Polyiso Sheathing can be effectively substituted for our Cladstone Water and Fire Block products. AP Foil has been tested per NFPA 285 for use with multiple exterior cladding systems, including cement board and ACM metal panels.

Inside exterior walls, CI Max can be applied and left exposed compliant with our NFPA 286 Corner Burn Test approval for occupied space.

Johns Manville has additional resources to promote substitution of these products before or after the bid phase of commercial projects. Feel free to reach out for assistance with preparing any request.

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