



SUBMITTAL



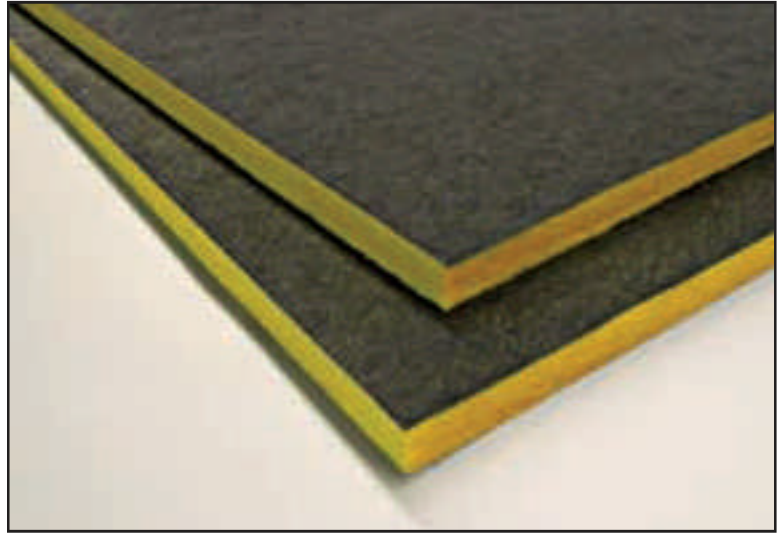
OFI BMC BOARD

DESCRIPTION

OFI BMC Board is a thermal and acoustical rigid fibre glass insulation board with a black pigmented fire resistance facing on the side towards the air stream. The black facing is bonded to the surface to keep fibres in place during installation and service. It complies with the requirements NFPA 90A.

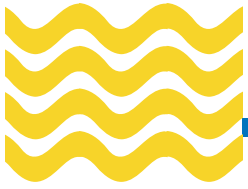
USES

OFI BMC board is used as an acoustical product to absorb air conditioning and heating equipment and blower noises in sheet metal ducting and plenums with temperatures up to 250°F. As well as acting as an acoustical product, it also acts as a thermal insulating product and may satisfy insulating requirements to retain heat or prevent condensation. It is applied to the inside of the duct or plenums.



THERMALS (at 24 degrees°C Mean)	IMPACT
3lb Board/ R 4.17/ inch	No evidence of damage according to 4.11 of CAN/ULC S110-M06
FLAME SPREAD	TENSILE STRENGTH
ASTM E-84 (Meets 25/50) Class 1 or A	MD 90 lbs/ 3" width CMD 60 lbs/ 3" width
DESCRIPTION OF FACING	EROSION
Glass fibre bonded with acrylic resin	No evidence of erosion at MAX VEL. of 6530 FPM, rated at 2,600 FPM according to CAN/ULC S110-M86
AVAILABLE SIZES	FUNGUS/MOLD
Thickness: 1", 1.5", 2" (25, 38, 51mm) Dimensions: 24"x48"	Does not support growth according to ASTM C1338-96
PACKAGING	
Shrink wrapped in cardboard surrounds on skids	

SOUND ABSORPTION COEFFICIENTS ASTM C423 (ASTM E795, Mounting A)							
Freq (HZ)	125	250	500	1000	2000	4000	NRC
1" (25.4 mm)	0.05	.28	0.72	0.95	1.02	1.01	0.75
1.5" (38 mm)	0.11	.50	1.04	1.09	1.07	1.06	0.95
2" (51 mm)	0.17	.78	1.17	1.12	1.09	1.08	1.05
3" (76 mm)	0.56	1.23	1.29	1.15	1.09	1.08	1.20
4" (101 mm)	0.87	1.32	1.24	1.14	1.10	1.09	1.20



The surface burning characteristics are determined through testing to the pertinent ASTM or ULC test method. The results published are rounded to the nearest 5 as directed by the test method. These methods are a means of providing a comparative flame, heat and smoke response of materials, as required by the building codes under controlled laboratory conditions. These results should be included in assessing all factors involved in a given situation of the end use.

Thermal conductivity values are derived using the given test method under controlled laboratory conditions. Thermal conductivity values may change based on the means of application and moisture conditions. Thermal conductivity will increase if the insulation is compressed or becomes wet.



APPLICATION INSTRUCTIONS

Ensure all areas of duct to be covered are clean of debris and chemicals. Confirm areas to be covered with specifications. Ensure ductwork is true, clean and suitable for the application of insulation materials. **Acceptance of any substrate is the responsibility of the contractor.** Any deficiencies to be reported to the general contractor prior to proceeding with the installation.

All liner joints shall be butted tightly with no material protruding. The black facing on the insulation to be installed facing into the air flow.

Apply adhesive as per manufacturer specifications. Ensure full coverage of adhesive. Apply only as much adhesive as can be covered in the time frames set out by the adhesive manufacturer.

Install BMC Insulation in orientation to suit duct work. Install over impale pins or by screws using one fastener per 3" in from edges and maximum 6" centre to centre across the duct and a maximum 12" centre to centre in the direction of air flow. Do not compress insulation under screws or pins. Where pins are used, curl end of pin after washer is installed.

BMC Insulation is to be mitered at any transitions or bends to ensure complete coverage of duct work.

If required, apply joint sealant at all joints, over screws or pins and damaged facing to ensure continuity of facing and ensure, no loose or exposed fiber.

Clean ductwork of all debris and loose materials prior to starting air flows.

