HABEEB & ASSOCIATES
ARCHITECTS

SUBMITTAL REVIEW

H&A JN: 1614.03
Project: MSBA Accelerated Repair Program
Halifax Elementary School – Windows, Doors & Siding Replacement
464 Plymouth Street
Halifax, MA 02338

HABEEB & ASSOCIATES ARCHITECTS INC.
150 LONGWATER DRIVE
NORWELL, MA 02061

NO EXCEPTIONS TAKEN	X
NOTE MARKINGS RESUBMITTAL NOT REQ'D	
NOTE MARKINGS RESUBMITTAL REQ'D	
REJECTED	

This review is given for design concept only and does not relieve the contractor from meeting the provisions of the contract, drawings and specifications. The Contractor is responsible for verifying all dimensions, schedules, quantities and field conditions.

DATE 03-23-18 BY SB

SUBMITTAL
08 5113-13 Mineral Wool Insulation

ITEMS:
1. Roxul Mineral Wool Batt Insulation Product Information

COMMENTS:

150 LONGWATER DR
NORWELL, MA
0061-1618
TEL: 781-871-9804
FAX: 781-871-9805
habeebarch.com

To: Habeeb & Associates Architects
150 Longwater Drive
Norwell, MA 02061

Contractor: Lambrian Construction Corporation
384 Washington Street
Westwood, MA 02090
Tel: (781) 461-1100 Fax: (781) 461-9885

Submittal No:	13
Date Submitted:	3/21/2018
Manufacturer:	ROXUL
Product:	ROXUL AFB
Specification Section:	08 5113 - Par. 2.13
Approved By:	P.L.
Description:	Mineral-Wool Fiber Insulation

COMMENTS:

Typical at window head & jambs only.

PROJECT: Halifax Elementary School
LAMBRIAN CONSTRUCTION CORP.
Approved by: P.L.

WINDOWS, DOORS & SIDING REPLACEMENT
HALIFAX ELEMENTARY SCHOOL
464 PLYMOUTH STREET
HALIFAX, MASSACHUSETTS 02338

ROXUL AFB®

Technical Data Sheet
Batt Insulation 07210 & 09820*
Blanket Insulation 07 21 16**
Acoustical Blanket Insulation 09 81 16**

ROXUL AFB®

Acoustical Fire Batt

Product Description & Application

ROXUL AFB® is a mineral wool batt insulation for interior partitions in commercial constructions where superior fire resistance and acoustical performance is required.

	Performance	Test Standard
Compliance	Mineral Fiber Thermal Insulation for Buildings, Type 1 Compliant	CAN/ULC S702
	Mineral Fiber Blanket Thermal Insulation, Type 1 Compliant	ASTM C665
	Mineral Fiber Blanket Thermal Insulation, Type 7 Compliant	ASTM C553
	MEA Approval, New York City Approval	338-97-M
	City of Los Angeles Approval	RR 25444
Reaction to Fire	Flame spread index = 0 ; Smoke developed index = 0	ASTM E84 (UL 723)
	Flame spread index = 0 ; Smoke developed index = 0	CAN/ULC S102
	Determination of Non Combustibility of Building Materials - Non Combustible	CAN/ULC S114
	Behaviour of materials at 750°C - Non Combustible	ASTM E136
	Smoulder Resistance - 0.09%	CAN/ULC S129
Density	Actual Density at thicknesses ≥ 3" (76.2mm) - 2.5 lbs/ft³ (40 kgs/m³)	ASTM C303
	Actual Density at thicknesses < 3" (76.2mm) - 2.8 lbs/ft³ (45 kgs/m³)	
Corrosion Resistance	Stress Corrosion Cracking Tendency of Austenitic Stainless Steel - Passed	ASTM C795
	Corrosion of Steel - Passed	ASTM C665
Air Erosion	Maximum Air Velocity 1000 fpm (5.08 m/s)	UL 181
Thickness Dimensions	1” through 4” (25.4mm - 101.6mm) in 1/2" increments as well as 5" (127mm) and 6" (152.4mm) 16" x 48" (413mm x 1219mm), 24" x 48" (610mm x 1219mm)	

Acoustical Performance — ASTM C423

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC
1.0"	0.14	0.25	0.65	0.9	1.01	1.01	0.7
1.5"	0.18	0.44	0.94	1.04	1.02	1.03	0.85
2"	0.28	0.6	1.09	1.09	1.05	1.07	0.95
3"	0.52	0.96	1.18	1.07	1.05	1.05	1.05
4"	0.86	1.11	1.2	1.07	1.08	1.07	1.1

Please contact ROXUL for STC ratings on tested wall assemblies — ASTM E90

Fire Rated Designs
ULC Classification Code: BZJZC
UL Classification Code: BZJZ

NOTE: *Mast Format 1995 Edition **Master Format 2004 Edition. As ROXUL Inc has no control over installation design and workmanship, accessory materials or application conditions, ROXUL Inc. does not warranty the performance or results of any installation containing ROXUL Inc's products. ROXUL Inc's overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose.

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The Better Insulation™

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