



Kitsap 911 Wall Soundproof

Located at 911 Carver Street

Bremerton WA 98312

**Scope of Project- Replace Soundproof in
Dispatch Operations Center, Classroom,
EOC and one strip by Employee entrance.**

Questions and Responses

Responses to Questions Received during vendor walk-through.

Q1. "What are the decibels needed?"

A1. Attached is the current installed acoustic wall information.

Please send any other questions to sbrowning@kitsap911.org and we will update this page.

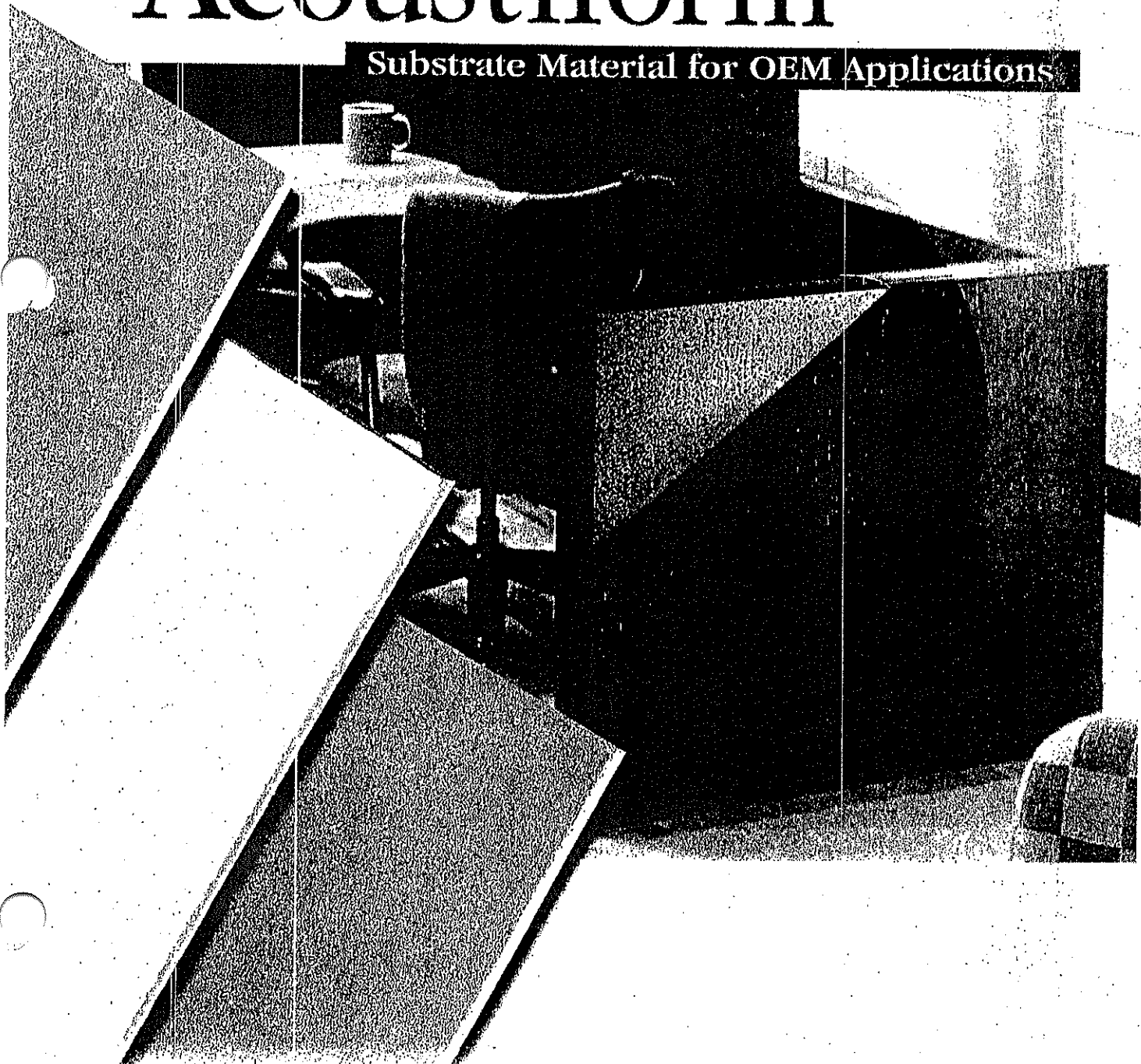
Updated 12/12/2023

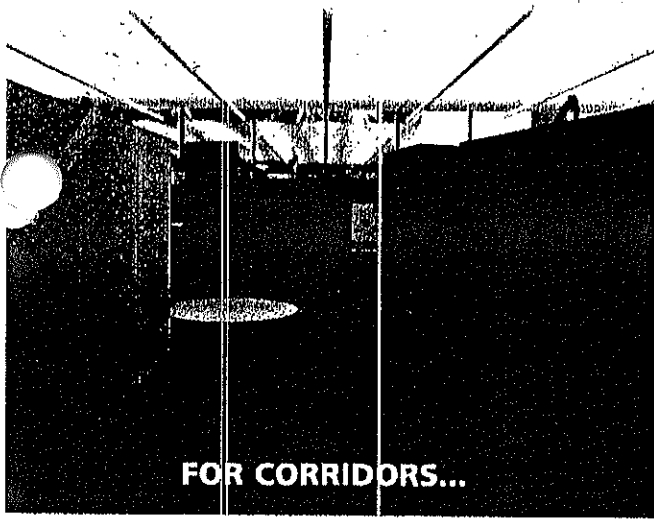


Celotex®

Acoustiform™

Substrate Material for OEM Applications

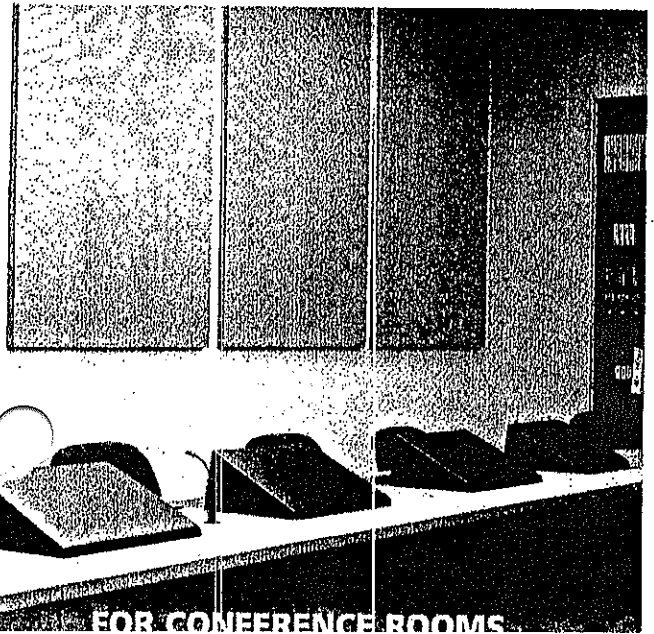




FOR CORRIDORS...



FOR LOBBY/RECEPTION AREAS...



FOR CONFERENCE ROOMS



Acoustiform™

Substrate Material for OEM Applications

Wherever sound control, tack holding, a Class "A" Flame Spread Index (per ASTM E 84) and durability are your key design considerations, choose BPB Celotex Acoustiform products as your functional substrate or core material.

FEATURES AND BENEFITS:

- **Lightweight** - Compared to gypsum panels and particleboard, Acoustiform provides easier handling and simplified installation.
- **Acoustical Performance** - Has superior sound absorption when perforated. Can be used alone or in conjunction with other sound deadening materials.
- **Tackability** - Has an excellent tack holding capability in 18 pcf density.
- **Sound Transmission Loss** - High STC can be developed either alone or in combination with other transmission loss materials.
- **Dimensional Stability** - Inorganic mineral fiber content minimizes dimensional change.
- **Flame Spread** - Meets Class "A" surface burning characteristics per ASTM E 84 (UBC 8-1, UL 723, NFPA 255, CAN/ULC-S102M).

CHOOSE ACOUSTIFORM AS YOUR SUBSTRATE FOR:

- ☑ Open Plan Office Partitions
- ☑ Office Screen Dividers
- ☑ Fabric or Vinyl Covered Wall Panels
- ☑ Tack Boards ☑ Chalkboards ☑ Baffles
- ☑ Sound Deadening Board
- ☑ Interior Utility Board

PRODUCTS AVAILABLE:

Product	Nominal Densities		Nominal Thickness				
	lb/ft ³	(kg/m ³)	3/8" (9.5mm)	7/16" (11.1mm)	1/2" (12.7mm)	5/8" (15.9mm)	3/4" (19.1mm)
AP-113	13	208			■	■	■
AP-215	15	240			■	■	■
AP-318	18	288	■	■	■	■	■

TOLERANCES:

Thicknesses: ± 0.030" (0.76mm) Plain ± 0.015" (0.38mm) Sanded

Density: ± 1 lb/ft³ (16 kg/m³)

Dimensions: Length & Width (per lin. ft.) ± 1/64" (0.41mm)



TYPICAL PHYSICAL PROPERTIES:

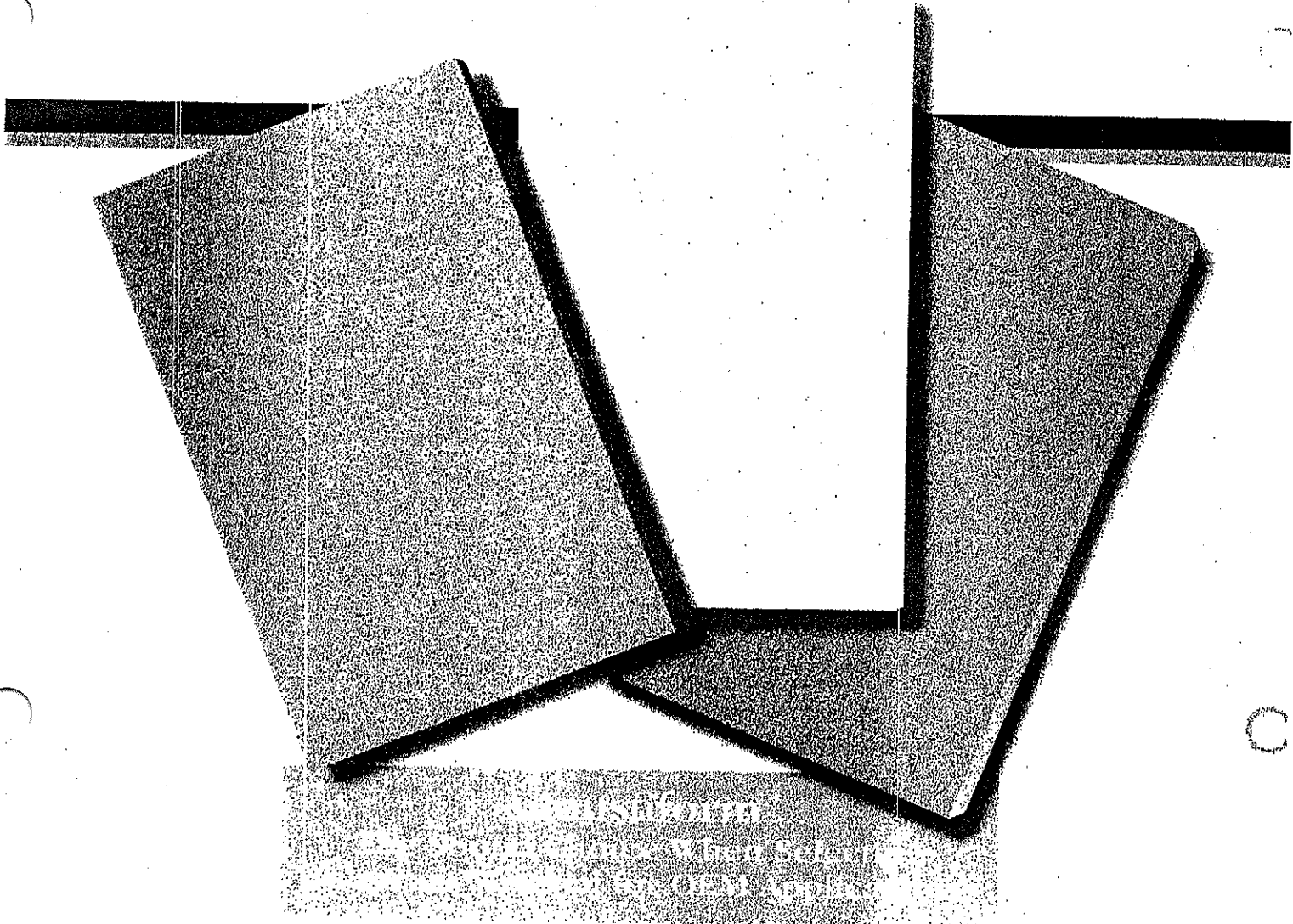
Based on 1/2" Thickness Unperforated	AP-113	AP-215	AP-318	ASTM Test
1. Density (lb/ft ³)	13	15	18	
2. Modulus of Rupture (psi)	165-200	200-250	325-375	C 367
3. Modulus of Elasticity (psi)	26-32k	36-40k	60-64k	C 367
4. Tensile Strength Parallel to Surface (psi)	115-135	125-150	200-225	C 209
5. Tensile Strength Perpendicular to Surface (psi)	15-17	15-20	18-25	C 209
6. Hardness (Janka Ball) (lbs)	31-34	35-45	65-70	D 1037
7. Dimensional Stability	.04-.08%	.10-.12%	.03-.10%	C 209
8. Thermal Conductivity (k-factor)	0.37	0.40	0.42	C 518
9. R-value (F•ft ² •h/Btu)	1.38	1.35	1.20	C 518
10. Noise Reduction Coefficient (NRC) "A" mounting	.30-.40	.30-.40	.05-.15	C 423
"A" mounting, perforated	.50-.60	.50-.60	.45-.55	C 423
11. Sound Transmission Class (STC)	19	21	23	E 90
12. Flame Spread	0-25	0-25	0-25	E 84
13. Smoke Developed	0	0	0	E 84
14. Weight (lbs./MSF, Average)	550	650	750	

Standard Sizes: 4' x 8' (1219 x 2438mm), 4' x 9' (1219 x 2743mm) and 4' x 10' (1219 x 3048mm).

Surface Treatment: Plain, Sanded, Prime Coated, Perforated (combinations available).

Can be laminated with a variety of materials.

Also available in 5' x 8', 5' x 9' and 5' x 10' on a special order basis. (5' not available perforated or prime coated). Other custom sizes also available.



Celotex®

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CenCom

Submittal Architects Project No. 13325

Date: 4/20/04

Re-Submittal No: #99A

Architect:
Rice Fergus Miller Arch. & Planning
262 Fourth Street
Bremerton, WA 98337

Contractor:
Berschauer/Phillips Construction Co.
PO Box 11489
Olympia, WA 98508-1489

Subcontractor:
R&H Contractors, Inc.

Manufacturer/Supplier:
Whisper Walls

Specification Section:
09840~Acoustical Wall System
09778

Drawing and/or Detail:
NA

Submittal Review

The review is for General Conformance with the plans and specifications only and shall not be construed as complete check. Review of dimensions or count will not serve to relieve the subcontractor or supplier of contractual responsibility for any error or deviation from the contract requirements. Subcontractor/supplier shall verify all dimensions and existing conditions prior to fabrication.

BERSCHAUER/PHILLIPS CONSTRUCTION COMPANY

BY: *Tina Free* DATE: 4/20/04

2. SEE FOLLOW UP FROM R&H 5-4-04, ATTACHED

Signed: *Tina Free*
(PE)

Review Comments

SHOP DRAWING / SUBMITTAL REVIEW

THESE SHOP DRAWINGS AND/OR SUBMITTALS HAVE BEEN REVIEWED FOR GENERAL COMPLIANCE WITH CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSUMED FOR QUANTITIES CORRECTNESS OF DIMENSIONS OR DETAILS.

NO EXCEPTIONS TAKEN	<input checked="" type="checkbox"/>
MAKE CORRECTIONS NOTED	<input type="checkbox"/>
REWORK SUBMIT	<input checked="" type="checkbox"/>
REJECTED - SEE REMARKS	<input type="checkbox"/>

RICE FERGUS MILLER ARCHITECTURE & PLANNING, LLP

DATE: 5-3-04

BY: *R&H*

1. MILCORE 300 ATTACHED FOR TAKEOFF
~~2. FURTHER AS PER THE SUBMITTAL 99~~

MUSONICS

Consulting in Acoustics, Sound & Noise Control

(303) 642-3290
30256 Butte Drive • Golden, CO 80403

April 17, 1995

Mr. Greg Sease
Whisper Walls
10957 East Bethany Drive
Aurora, CO 80014

Re: **Performance of Acoustical Products
NRC-0.80 versus NRC-0.85**

Dear Greg:

This is in response to your recent request for information regarding the acoustical performance of acoustical products with different Noise Reduction Coefficients (NRC). You asked for an opinion regarding the performance of an acoustical panel rated at NRC-0.80 as compared to one rated at NRC-0.85.

For typical applications in offices, schools, libraries, etc., I would classify the subjectively judged sound absorption performance (and accompanying noise reduction) to be virtually the same for products with lab-certified acoustical performance ratings of NRC-0.80 and NRC-0.85.

This comparability in performance can be demonstrated in objective terms as well. For example, the NRC-0.85 product would absorb about 1.25 dB more sound power than one rated at NRC-0.80. This is a very small and, virtually, inaudible difference. In typical real-world situations, a difference of 3 dB is known as a "just noticeable difference." A difference of 1.25 dB is, therefore, substantially less than this "just noticeable difference." For most people, in typical architectural environments, the difference is not audible.

As another example, consider the following. It is common for acoustical engineers to design acoustical treatments for architectural spaces using reverberation time (RT) criteria, and then selecting materials to fulfill these RT criteria based on calculations using NRC values. If, for example, we were to design a library reading room with dimensions of 40' x 80' x 15' and with standard architectural finishes, we might have the following scenario:

Ceiling	Suspended acoustical tile, 3200 square feet (sf), at NRC-0.65
Floor	Carpet, 3200 sf, at NRC-0.30
Walls	50% of total area, 1800 sf, gypsum board at NRC-0.10
Walls	50% of total area, 1800 sf, acoustical panels at either NRC-0.80 or NRC-0.85

Mr. Greg Sease
Whisper Walls
April 17, 1995

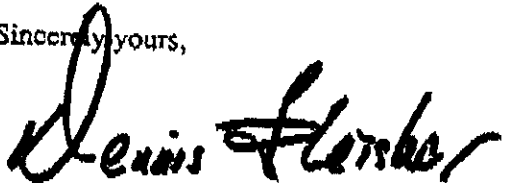
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Standard calculations with these data show that the reverberation time (rounded to the nearest $\frac{1}{100}$ second) would be 0.50 second for either the NRC-0.80 or NRC-0.85 wall panels. In other words, there would be no measurable difference using either product.

In summary, by either subjective or objective evaluation, there is virtually no audible or measurable difference between the acoustical performance of an NRC-0.85 product compared to that of an NRC-0.80 product when used in typical architectural applications.

I hope this information is sufficient. Please call me if you need anything else.

Sincerely yours,



Dennis Fleisher, Ph.D.
Principal Consultant

