



RCHITECTURAL BROCHURE

Type W-Insulation

Type W comes in basic marble blue and is 2° or 3.5° thick (24°width x 94° lepth). Special orders up to 5.5° thick and custom dimensions are also available. This no-litch insulation is easy to handle and install and compliant with US-EPA standards. Passed ASTM C738 test. Wall panel fitting accessories and lining

are a vailable. (Sequieum and Musetons on page 12 and wall fine on page 1 fee. Filters are treated with US-EPA registered fungal inhibitors that offer excellent protection against mold, mildow, fungi, and paets. It is fire resistant, non-corrosive, emits no odor, contains no formaldohyde, and does not irritate skin or teh. Resistant to microckiel growth with societient theman value that saves building exercised provided in the contains of the contains on the contains on the contains of the contains on the contains of the

Acoustical Performance NRC Type W (Wall Insulation) "As Tested in Accordance with ASTM C423 using Type A Mounting and ASTM E705

Thickness (Inch)	125 Hz	250 Hz		1000 Hz	2000 Hz	4000 Hz	NRC
2"	0.35	0.94	1.32	1.22	1.06	1.03	1.15
3.5"	0.95	1.30	1.19	1.08	1.02	1.00	1.15

Sound Transmission Class STC 55 for 50 mm Thick Type W Based on Wall System With 2 X15 mm Gypsum Board and 50 mm Air Gap "As Tested in Accordance with ASTM E90-04



Type W Suitable for Walls. Roofs and Cellings



Wall Treatment Application.



ACOUSTIC ULTRA LINE™ WALL INSULATION - ACQUISTIC PAREL - HANGING BAFFLES

High Efficiency - Sound Absorption (NRC Rating)
Easy Installation, Durable and Attractive Finishes
Natural Base - Environment Friendly Product
High Efficiency - Thermal Insulation
Energy Savings Material



Above Ceiling (Attic) Application - Thermal Insulation and Noise damping.

Product Information

Made of strong reinforced natural fiber, high performance, aesthetic finishes, and ease of installation are always our goals when developing new products. This Ultra Line acoustical product is a testimonial to that. After going through rigorous tests with stringent standards and gaining reputation with an excellent track record in North America and Asia, our product is now a highly demanded building product. This product, when combined with applications of Cell-Spray under metal roofs and ceilings, helps saving the building's energy consumption while preserving a safe and pleasant building's environment. All items can be supplied with pure aluminum foil or poly liner at any thickness and dimension customizable to your needs. Our products are recommended by the American Institute of Architects-Sustainable Design, US Green Building Council, and many US builders, Featured in the Green Buildings Campaign through broadcasts by ABC, CBS, Fox, House and Garden TV, and the Discovery Channel

This is a truly innovative, do-it-yourself, environmentally friendly product with great performance, durability, and attractive finish. Used by OEM Industries for various applications i.e. HVAC, home theaters, engine heat covers, seasis, pump housing, refrigeration compartments, etc. Test results, approvals, and partial project references are presented in this publication.





Acoustical Panel Type A

This truly do-it-vourself acoustical panel is made of 100% reinforced pure natural fiber, produces high acoustical performance, and is durable with aesthetic finish. There is no additional wrapping or lining necessary. Available in standard 2' x 4' in basic marble blue, special custom matching and sizes are available. It saves labor time and costs greatly with simple applications which results in faster project completion. No shelf life, tested in compliance with various stringent ASTM standards and performance charts below illustrate some essential uses of this product on your next project, whether it is an improvement or newly developed projects. Homes and commercial projects need this product.



Hanging Baffles Indoor Sports Arena





Acoustic Wall Panel - TV Studio.

		ound Absorption on Hanging Baffles - Type A - Panel d in accordance with ASTM C423-99a - Results shown at NRC Frequence	ies
Thickness (Inch)	Baffles	Method of Installation	Sabins/Baffle Average
1"	3	1 Layer - 3 specimens suspended on one cable, 16' between baffles.	10.30
1"	3	1 Layer - 3 specimens suspended between 2 cables, 36" between baffles	23.25
1"	3	Layer - 3 specimens suspended between 2 cables, 36" between baffles (Baffles suspended at an angle - between cables to maintain uniform height)	9.55
1"	6	Two 1" Layers - 3 specimens suspended on 2 cables, 16" between specimen 41" from floor to specimens and 45" between cables.	s. 9.85
1"	6	Two 1" Layers - 3 specimens suspended on 2 cables, 16" between specimen 41" from floor to specimens, 45" between cables. (Type U - Panel)	s. 13.85
1"	9	Layers - 3 specimens each suspended on 2 cables, 24° apart and 3 specimen perpendicular across the 2 cables in between the longitudinal baffles.	
1"	12	Layer - 6 specimens suspended on 2 cables with 9" spacing, 6 specimens between the cables. Cables spaced 45" apart.	8.40

Color Chart



Navy Blue

NOTE: For product's Approvals and Refinos, Technical Specifications and Standards Compliance - Please refer to Page - 16 and 17.





Product Award

INSUL-PAC®

Acoustical Performance NRC Type A - Acoustical Panel *As tested in accordance with ASTM C423 using Type A mounting per ASTM E795

using Type A mounting per ASTM E795							
Thickness (Inch)	125 Hz				2000 Hz		NRC
1"	0.08	0.31	0.79	1.01	1.00	0.99	0.80
2"	0.35	0.94	1.32	1.22	1.06	1.03	1.15



Sports Arena becomes Concert Hall. This Arena hosted multi events from Basket Ball Games to Academy Awards and Grand Musical Shows.



Motor Vehicle Industry.



eative Production Studio



Acoustic and Decorative Wall and Ceiling - Multipurpose Hall. Fellowship Music Stage.





AHU and Mechanical Room - Ford, Singapore.











Acoustical Panel Type U-Ultra Line This top-of-the-line product has higher durability and performance

and is more rigid and durable. There is no additional lining or finishes necessary. It is ready to be installed as a finished product. It greatly speeds up the project's schedule while providing more flexible design to architects and interior designers. In addition to general standard ASTM requirements, this product has been tested in accordance with ASTM C423, E90, and E413 as well as ASTM E1332.





Acoustical Performance - NRC Type U - Acoustical Panel *As tested in accordance with ASTM C423 - using Type A mounting per ASTM E795

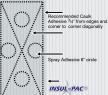
Thickness (Inch)	Backing	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1"	No Air Space	0.07	0.30	0.86	1.10	1.05	1.03	0.85
50 MM	No Air Space	0.17	0.74	1.18	0.91	0.87	0.90	0.93
50 MM	50 MM Air Space	0.38	1.02	0.96	0.90	0.93	0.94	0.95

Out-door in-door Transmission Class - OITC 14 - 7/8" (min) thick - Type U
"As tested in accordance with ASTM E90, ASTM E413 and E1332





Typical Wall Panel Installation



Fellowship Hall Acoustics - Ceiling Clouds.

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COIOI	Chart
90000	1265/20
	0.00
	34350
Page	Blue

Charcoal

Burgundy Reine

Green

Light Grey Navy Blue

White

Rosin Marble Blue

For product's Approvals and Ratings, Technical Specification and Standards Compliance - Please refer to Page - 16 and 17.

Back Panel