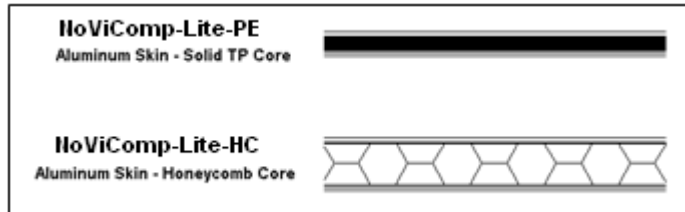
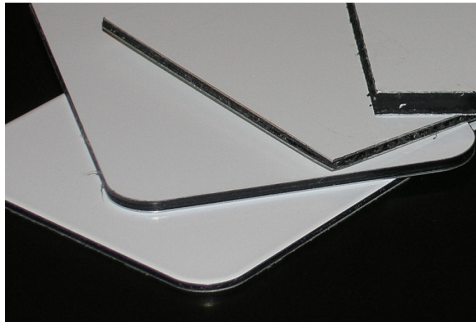


THERMAL- ACOUSTIC CONTROL MATERIALS

NoViComp -Lite

Damped Aluminum composite Plate



NoViComp-Lite panels consist of very thin (0.25mm) aluminum skins bonded to a tough low density thermoplastic core. Available in either solid core at 2 & 3 mm total thickness or with a honeycomb core structure at 3 & 6 mm thickness. **NoViComp-Lite** panels are supplied pre-finished white with a peel away protective cover.

NoViComp-Lite panels offers superior airborne noise insulation and damping losses over plain solid metal sheet. Increased damping loss produces a more comfortable sound deadening as compared to solid sheet metal surfaces. **NoViComp-Lite** is used in the equipment, automotive and shipbuilding industry.

NoViComp-Lite panels are mostly used as finished insulation sheathing in engine rooms of high-speed vessels and for construction of machinery enclosures, vents and ducts.

SOUND TRANSMISSION AND VIBRATION CHARACTERISTICS		
Sound Transmission Class - ASTM E-90. Vibration damping loss factor - ASTM STP-378.		
Thickness	Loss Factor @ 100 Hz	STC Rating
2mm	.060	25
3mm	.280	28
6mm	.440	28

NoViComp-Lite is a safe and serviceable choice:

FIRE TESTING:

- ASTM E84 - achieved zero ratings for flame spread, fuel contribution and smoke density.
- Surface burning classifications are NFPA Class A and UBC Class 1.
- UBC 17-3 Thermal Barrier Evaluation, Modified - Material wall assemblies directly above a furnace at 1400° F, Material successfully met test criteria of no penetration of aluminum skin by fire during the 15-minute test.
- UL 94 - In a test of 6 mm Material, all test criteria passed 94 V-0 rating

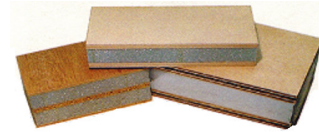
Packaging: Lite-PE Solid Core 2mm & 3mm x 1220 x 2440
 Lite-HC Honeycomb Core 3mm & 6mm x 1220 x 2440

NoViComp-Lite panels are easily cut and fabricated by saw or router. Corners and box shapes can be formed by partial routing through back skin into core to produce a “hinge” fold. Attachment by rivet, screw or adhesive bond with 3M-VHB tape.

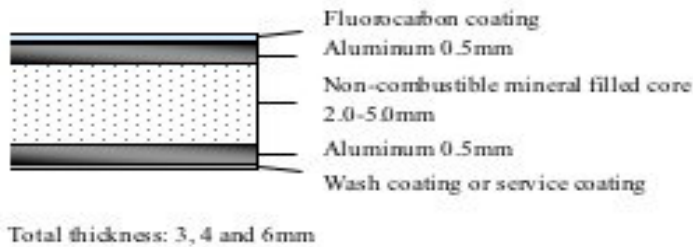
Resistant to water, oil, fuel and diluted acids. Service temperatures from -20 °C up to 120 °C

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THERMAL- ACOUSTIC CONTROL MATERIALS



NoViComp-Lite –FR is a fire-rated ACM composed of aluminum skins and the fire-resistant core (non-combustible mineral filled core). It passes most countries' fire-safety codes for exterior and interior. Compared with solid aluminum panels, **NoViComp-Lite –FR** is lightweight, rigid and flat. The surface finish is a coating of fluorocarbon paint. Die Coater that we use in the continuous coil coating line ensures uniform color and smooth coating. The coating variation includes Stone-Timber-Metal Series, produced with a unique image-transfer coating.

Composition

NoViComp-Lite –FR is composed of non-combustible mineral filled core sandwiched between two skins of 0.5mm thick aluminum. Total thickness is 3, 4 or 6mm. The topside is coated with fluorocarbon paint and the backside is a wash coating.

Panel dimensions Thickness: 3, 4 and 6mm **Standard width:** 965, 1270 and 1575mm **Length:** Less than 7200mm

NoViComp-Lite-FR Fire Test data

Category	Country	Test Standard	Specimen	Results & Classification	
External Cladding	United Kingdom	BS476 Part6	4mm & 6mm	Class 0	
		Part7		Class 1	
	Germany	DIN4102 Part 1	4mm	Class 0	
	USA	British Thermal Unit (NFPA 259-93)		4mm	Passed
		Climbing Drum Peel Test (ASTM D1781-76)		4mm	Passed
		Tunnel Test (ASTM E-84)		4mm & 6mm	Class A / Class1
		ASTM E-108 Modified		4mm	Passed
		UBC 26-9& NFPA 285, ISMA Test (Intermediate Scale Multi-story Apparatus)		4mm & 6mm	Passed
	Canada	CAN/ULC-S 134-92, Full-scale Exterior Wall Fire Test		4mm	Passed
China	GB8625, GB8626 & GB8627		4mm	Class B1	
Japan	Heat Release Test for Non-combustible Material (ISO5660-1)		4mm & 6mm	Passed	
Roof	USA	Fire Test For Roof Covering (ASTM E108)	4mm	Passed Class A	
Fire Resistant Rating Wall	USA	1-hr Fire Rating and 2-hr Fire Rating (ASTM E119)	4mm	Does not impair fire resistant rating wall	
Interior	USA	Interior Room Corner Test (UBC 26-3)	4mm	Passed	
	USA	Combustion Toxicity Test, New York State Uniform Fire Prevention and Building Code	4mm	Passed	

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