

L-6140

Aircraft Integrated Noise Damping

L&L Products offers an innovative acoustic solution that is designed to increase sandwich panel acoustic performance levels.

We are treating your honeycomb core in your qualified sandwich panel configuration.

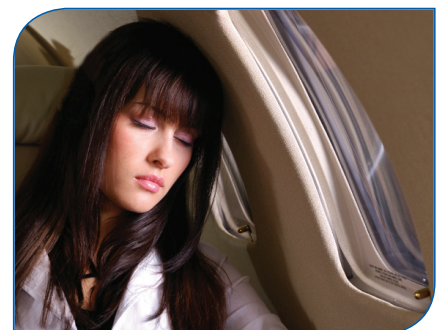
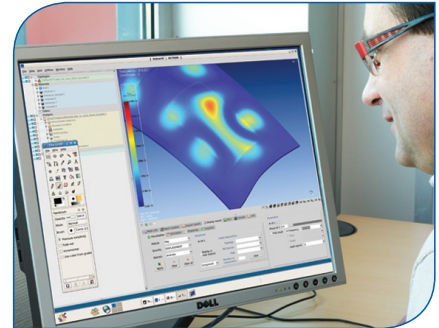
L&L provides a customized acoustic solution to reduce airborne and structural borne noise while minimizing the weight impact.

Key Product Attributes

- *Reduces aircraft assembly touch time against conventional treatments*
- *No impact on fit & form of the panel*
- *No manufacturing process change*
- *Reliable acoustic performances during part life*
- *Reduces aircraft assembly touch time against conventional treatments*
- *Damping effect*
- *FST regulation compliance*

Typical Application Areas

- *Cabin lining panels*
- *Ceilings*
- *Crew rest compartments*
- *Partition walls*
- *Galleys*
- *Lavatories*
- *Floors*



Technical Data

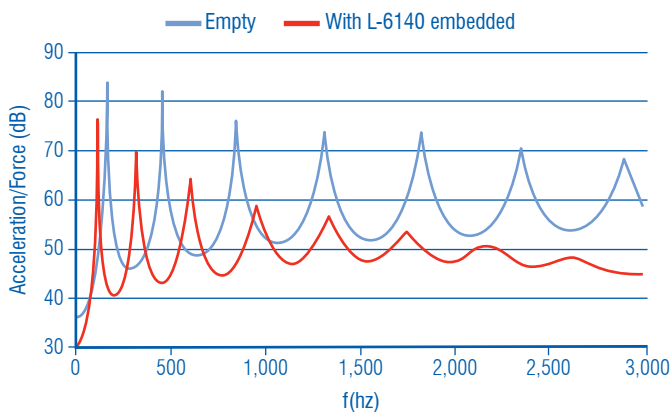
TYPICAL PROPERTIES				
		XP-6130	L-6140	Test Method
Physical Properties	Type	Acoustic Core*	Acoustic Core*	-
	Color	Grey	Beige	-
	Honeycomb Core Type	Aramid & Kevlar	Aramid & Kevlar	-
	Honeycomb Core Thickness	All	All	-
	Area Weight		1.2 - 3.0 kg/m ²	1.5 - 3.0 kg/m ²
		0.24 - 0.61 psf	0.3 - 0.61 psf	-
Fire Properties	Flammability	Pass	-	FAR 25§25.853(a)
	Smoke & Toxicity	Pass	-	FAR Part 25§25.853 (d)

* Embedded material properties and placement in the core is defined by L&L products to better meet customer sound insulation requirements. Each case is specific and is treated as such to assure the highest performance to weight ratio of the final solution.

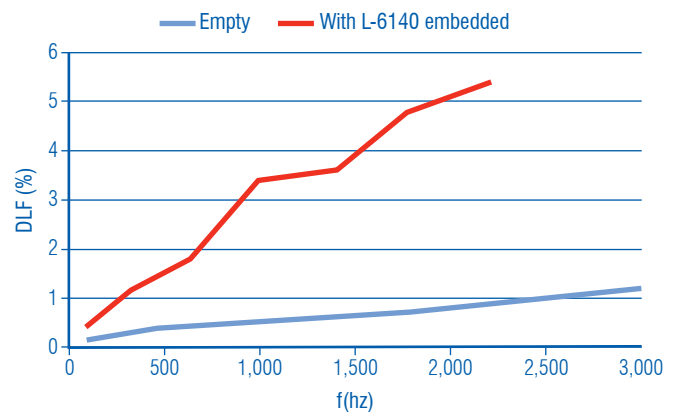
Usage Guidelines

- *Curing Cycle: compatible with all interior parts curing cycles (oven, autoclave, press).*
- *Storage Conditions: room temperature.*

**Frequency Transfer Function of a Sandwich Beam
Tested in Free-Free Conditions**



Corresponding Composite Damping Loss Factor



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