

HexaNaval AL

Description

HexaNaval AL is a multi-layer structure borne noise damping material which combines high performances with a low added weight. It is designed to effectively reduce the vibrations in aluminium, fibre-reinforced plastics and carbon composite surfaces. The core of the material is a combination of a honeycomb attached to a visco elastic layer finished with a thin aluminium top sheet. The product is self-adhesive for easy and fast application.

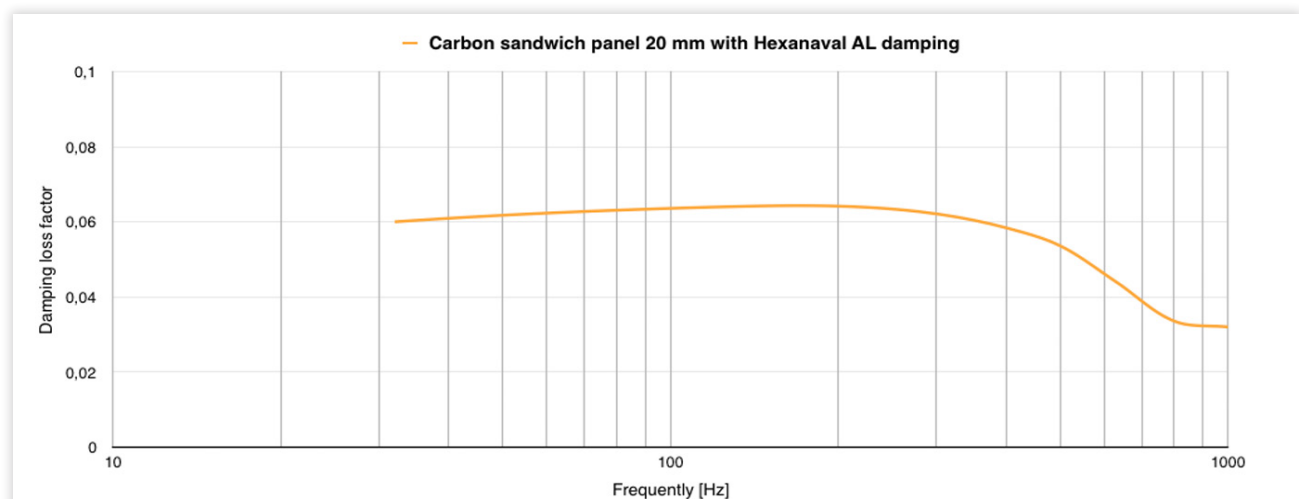
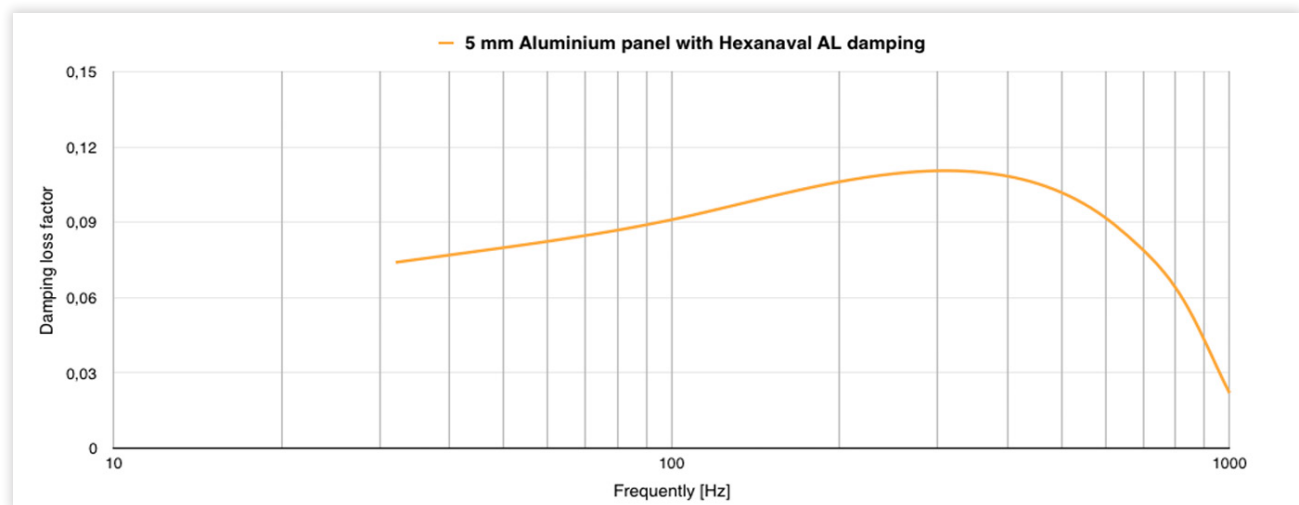


Less Noise –
more comfort

High damping

Due to the high performance in damping, HexaNaval AL is ideal for treatment of low frequency noise and vibrations. HexaNaval AL needs to be applied on at least 80% of the substrate surface to significantly reduce the vibrations and noise levels.

Damping HexaNaval AL on Aluminium and Carbon





Less weight –
more possibilities

Reduce weight

HexaNaval AL weighs approximately 230 grams per piece, which results in approximately 3,2 kg per m². This lightweight damping solution weighs over 2,5 kg per m² less than most of the insulating coatings and more than 2,7 kg per m² less than most of the constrained layer damping systems.



Less work –
more results

Quick 'n easy

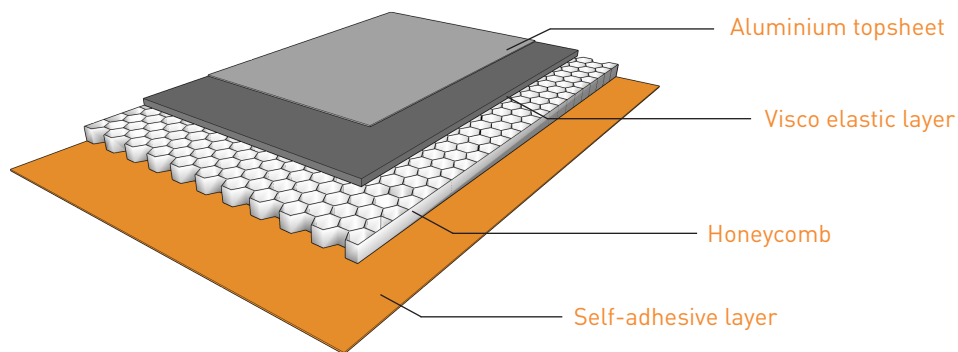
Applying HexaNaval AL requires substantial less labour than current insulating coatings and damping systems. Human errors are reduced to almost null, therefore the quality of the work, and the added weight, is extremely consistent.



Less vibrations –
more layers

Material

The self-adhesive layer of HexaNaval AL adheres well to rough surfaces and smoothly follows the contours of curves. The dimension of a HexaNaval AL sheet is 290 x 195 x 4,9 mm, but can simply be adjusted by using shears.



Less products –
more applications

Applications:

- Low frequency vibration damping of any aluminium, fibre-reinforced plastic and carbon composite substrate surfaces.
- Suited for weight sensitive applications.
- Typical automotive applications: damping of body panels such as doors, roof, fenders and trunk.
- Typical nautic applications: damping of hull, bulkhead and deck in aluminium hull ships under 500 GT and all fibre-reinforced plastic or carbon composite ships.

