

HexaNaval AL

Description

HexaNaval AL is a multi-layer structure borne noise damping material which combines high performances with a minimal added weight. HexaNaval AL is designed to effectively reduce vibrations in structures. The core of HexaNaval AL is a combination of a honeycomb layer attached to two visco elastic layers and one thin aluminium top sheet.



Less weight
More possibilities

Weight reduction

HexaNaval AL weighs approximately 335 gram per piece, which results in 4 kg per m². This lightweight damping solution weighs over 3 kg per m² less than most insulating coatings and about 2 kg per m² less than of constrained layer damping systems.

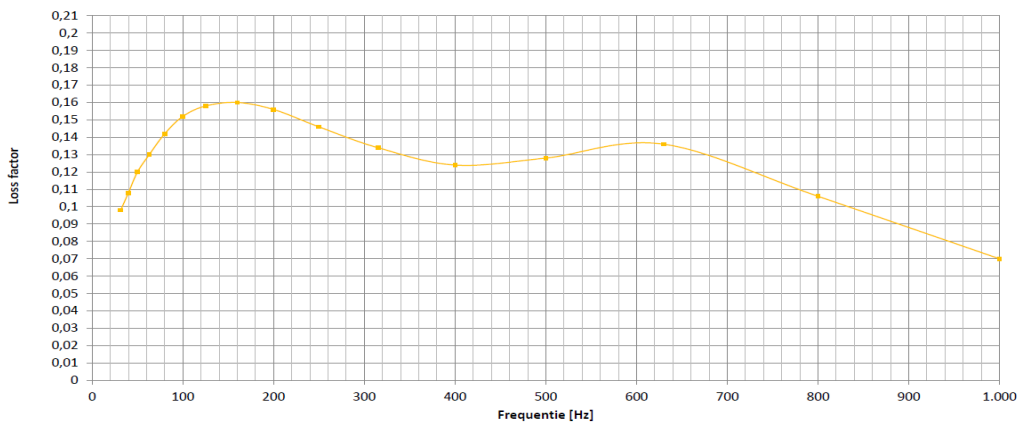


Less noise
More comfort

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 approximately 70% of the substrate to significantly reduce the vibrations and noise levels.

Damping HexaNaval AL 0,5 on 5 mm aluminium



Tested by van Cappellen Consultancy



Less Work
More results

Quick and Easy

Applying HexaNaval AL requires substantial less labor than current insulating coating and damping systems. To apply HexaNaval correctly, please follow HexaNaval manual. Human errors are reduced to almost null, therefor the quality of the work and the added weight is extremely consistent.



Less vibrations
More Layers

Material

The thick visco elastic layer of HexaNaval AL adheres well to rough surfaces and smoothly follows the contours of curves. HexaNaval ALT dimensions can simply be adjusted by using shears, knife or cutting devises.

HexaNaval AL properties

Standard top sheet	0,5 mm, added weight approx. 4 kg/m ²
Producibile top sheet	1,0 mm, added weight approx. 5 kg/m ²
Producibile top sheet	1,5 mm, added weight approx. 5,9 kg/m ²
Producibile top sheet	2,0 mm, added weight approx. 6,8 kg/m ²
Certificate	IMO FTP code certificated (on request)
Dimensions	290 x 240 mm or 290 x 195 mm



Less products –
more applications

Applications:

- Ceilings
- Bulkheads
- Air ducks
- Enclosures
- Many more

