

HexaNaval FRP

Description

HexaNaval FRP 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 fibre-reinforced plastic (frp) 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 frp top sheet. The product is self-adhesive for easy and fast application.

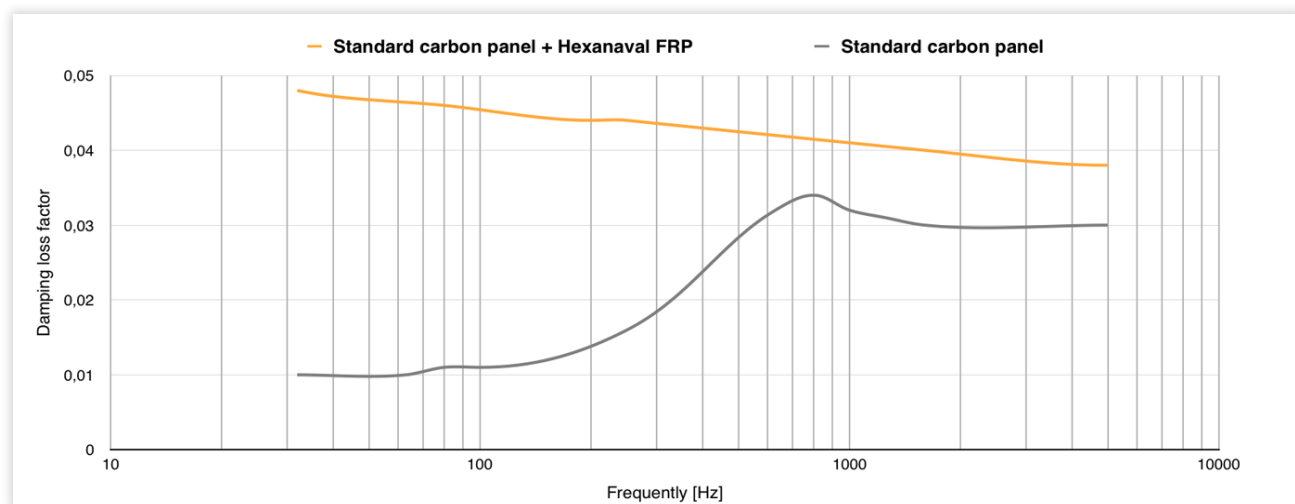


Less Noise –
more comfort

High damping

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

Damping HexaNaval FRP on carbon composite panel



Tested by Van Cappellen Consultancy



Less weight –
more possibilities

Reduce weight

HexaNaval FRP weighs approximately 230 grams per piece, which results in approximately 3,5 kg per m². This lightweight damping solution weighs over 5,7 kg per m² less than most of the insulating coatings.



Less work –
more results

Quick 'n easy

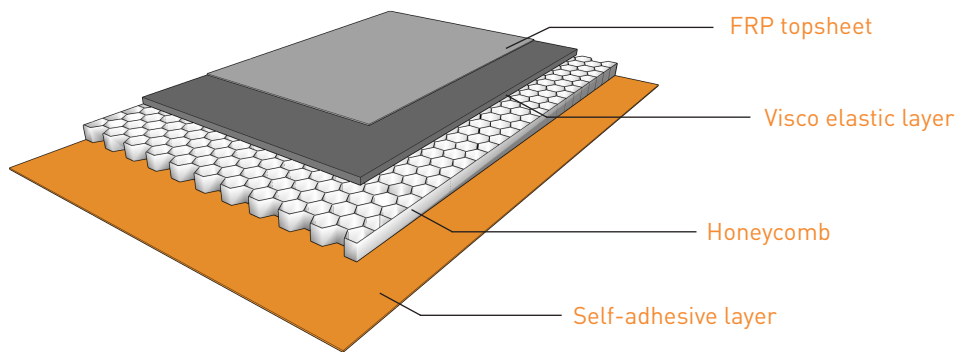
Applying HexaNaval FRP requires substantial less labour than current insulating coatings and damping systems. Human errors are reduced to almost null, therefore the quality of the work, and the added weight, is extremely consistent.



Less vibrations –
more layers

Material

The self-adhesive layer of HexaNaval FRP adheres well to rough surfaces and smoothly follows the contours of curves. The dimension of a HexaNaval sheet is 290 x 195 x 5,2 mm, but can simply be adjusted by using shears.



Less products –
more applications

Applications:

- Low frequency vibration damping of any Fibre-reinforced plastic and carbon composite substrate surfaces.
- Suited for weight sensitive applications.
- Typical nautic applications: damping of hull, bulkhead and deck in fibre-reinforced plastics and carbon composite hull ships.

