

# HexaNaval ST

## Description

HexaNaval ST 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 steel surfaces. The core of the material is a combination of a honeycomb attached to a visco elastic layer finished with a thin steel top sheet. The product is self-adhesive for easy and fast application.

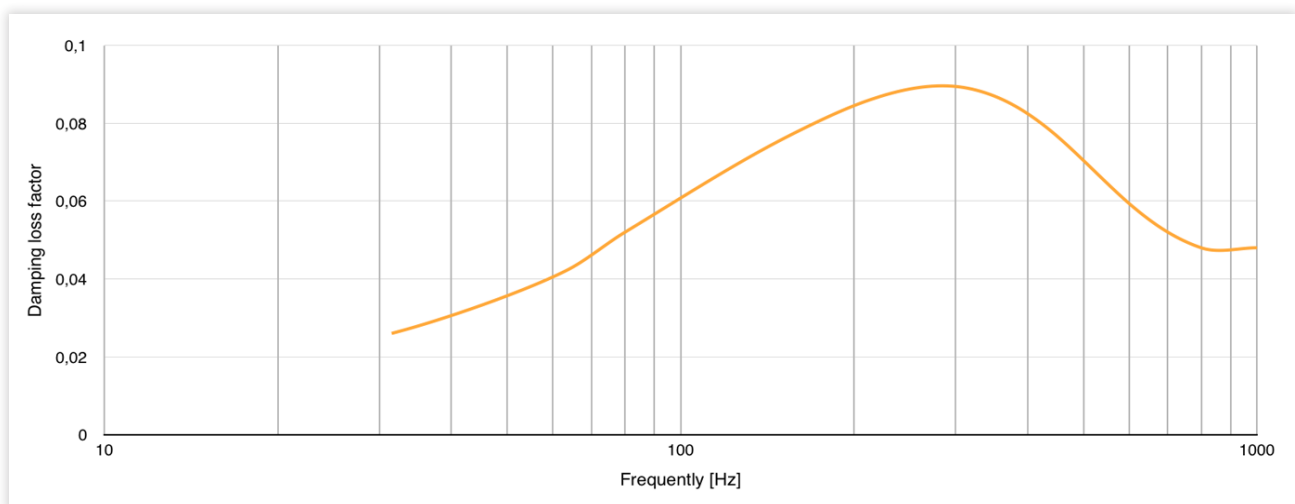


Less Noise –  
more comfort

## High damping

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

## Damping HexaNaval ST on 5 mm Steel



Tested by Van Cappellen Consultancy



Less weight –  
more possibilities

## Reduce weight

HexaNaval ST weighs approximately 390 grams per piece, which results in approximately 5,5 kg per m<sup>2</sup>. This lightweight damping solution weighs over 2,5 kg per m<sup>2</sup> less than most of the insulating coatings and more than 7 kg per m<sup>2</sup> less than most of the constrained layer damping systems.



Less work –  
more results

### Quick 'n easy

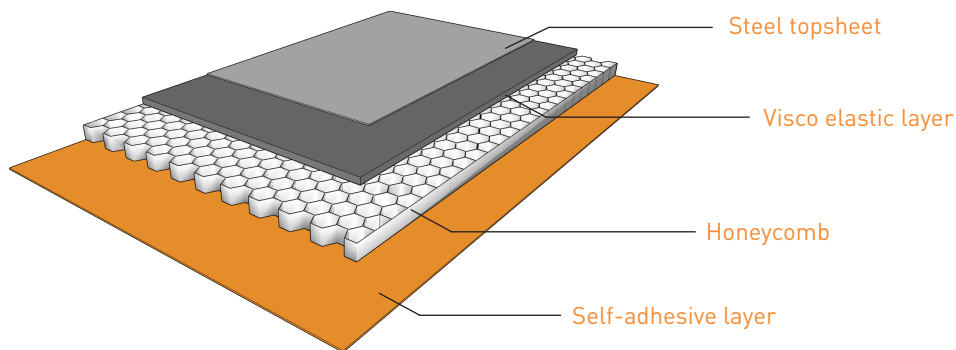
Applying HexaNaval ST requires substantial less labour than current insulating coatings and damping systems. Human errors are reduced to almost null, therefore the quality of the work, and the added weight, is extremely consistent.



Less vibrations –  
more layers

### Material

The self-adhesive layer of HexaNaval ST adheres well to rough surfaces and smoothly follows the contours of curves. The dimension of a HexaNaval ST 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 steel substrate surface.
- 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 steel hull ships under 500 GT.

