

VIBRATION-DEADENING MATERIALS



COMFORT MAT AEROSPACE VOLT



The diagram shows a cross-section of the material. A thin, dark, wavy line at the top represents the aluminum foil. Below it is a thick, light blue layer representing the vibroacoustic layer. Two vertical lines with yellow dots at the top point to these layers. The text 'Aluminum foil' is to the left of the first line, and 'Vibroacoustic layer 2.5 mm thick with foamed granules' is to the right of the second line. Below the diagram, the text 'Material structure' and 'VOLT' are centered.

Aluminum foil

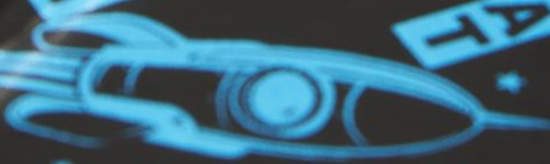
Vibroacoustic layer 2.5 mm thick
with foamed granules

Material structure

VOLT

AEROSPACE VOLT 2,5 mm is the lightest and thinnest material from Aerospace series, which combines effective anti-vibration properties with advanced sound insulation capabilities.

FOR
VEROSPECT
NOVA





Aluminum foil

Vibroacoustic layer 5 mm thick
with foamed granules

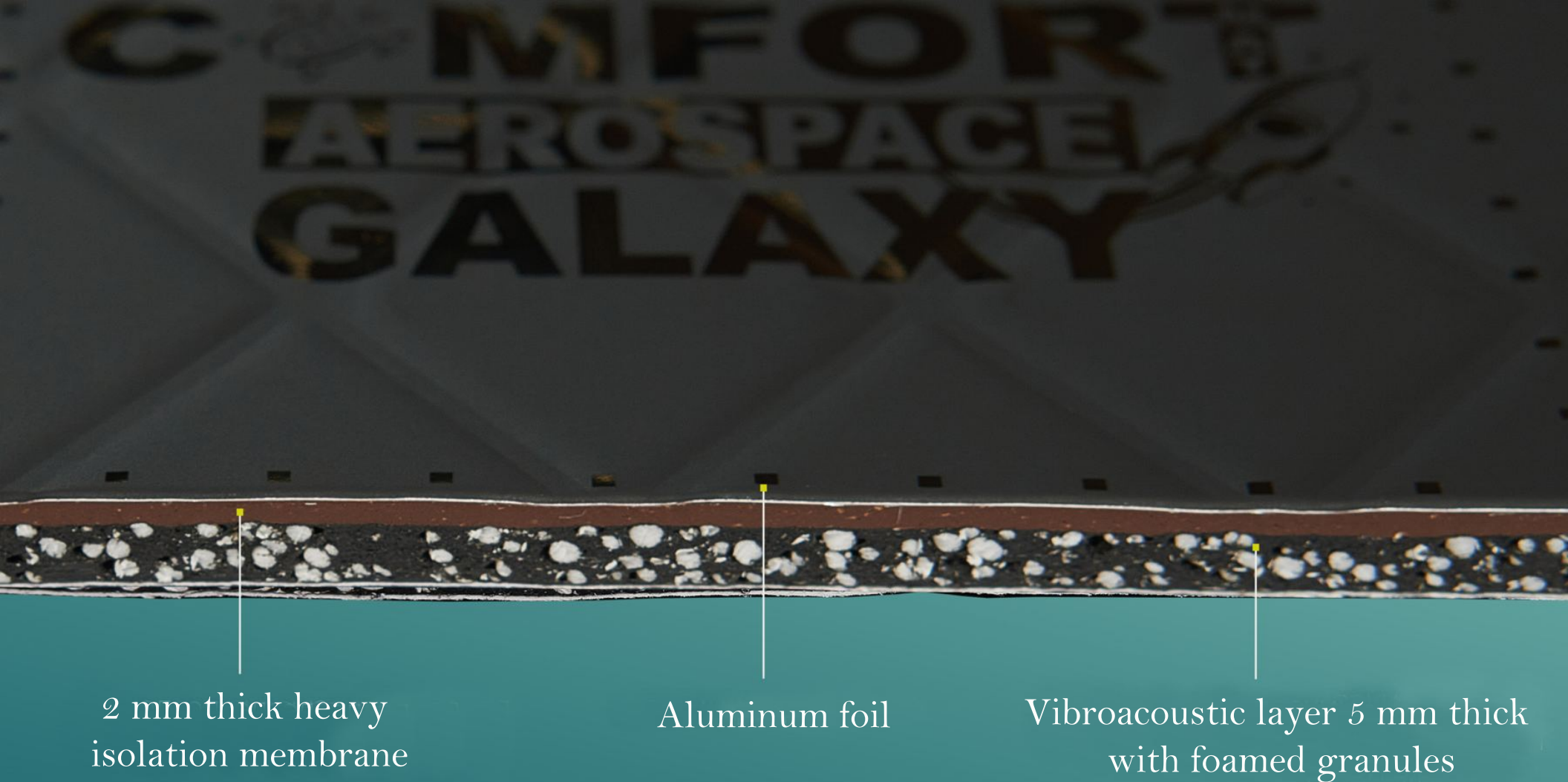
Material structure

PULSAR

AEROSPACE PULSAR 5 mm is a universal vibroacoustic material from the new Aerospace series, which combines effective anti-vibration properties with advanced sound insulation capabilities

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AEROSPACE
PULSAR





2 mm thick heavy
isolation membrane

Aluminum foil

Vibroacoustic layer 5 mm thick
with foamed granules

Material structure

GALAXY

AEROSPACE GALAXY 7 mm is a multi layer vibro-acoustic material that combines effective anti-vibration properties with advanced sound insulation capabilities. It combines a modern vibro-acoustic mixture with foamed granules, a 2 mm thick sound insulation membrane and 100 micron aluminum foil with a matte finish.

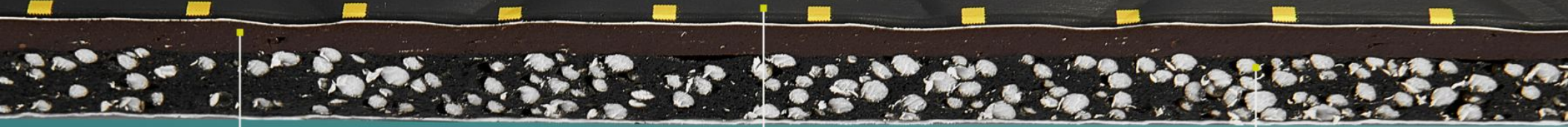


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GALAXY



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COMFORT AEROSPACE ZENITH



3 mm thick heavy
isolation membrane

Aluminum foil

Vibroacoustic layer 6 mm thick
with foamed granules

Material structure

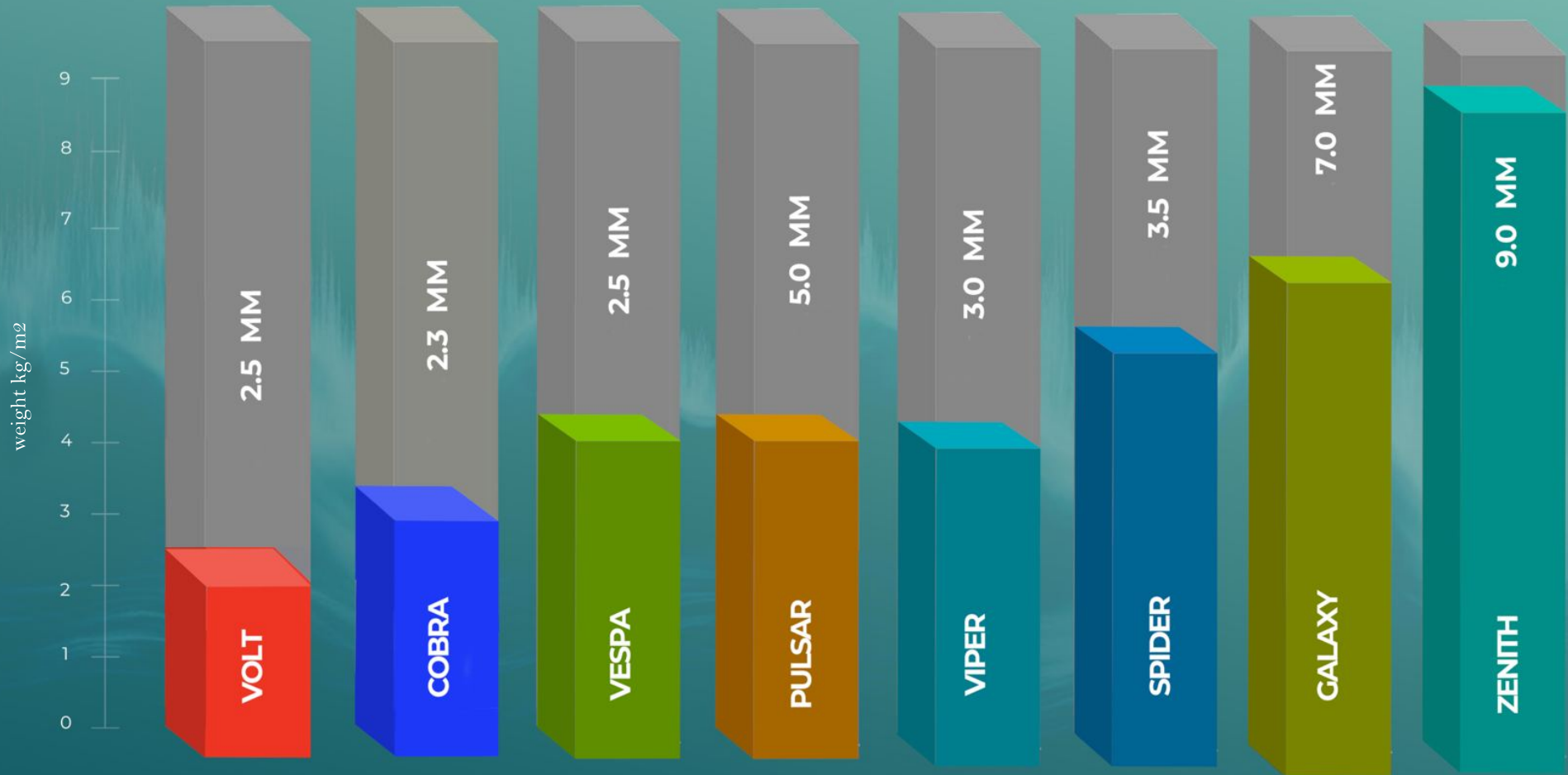
ZENITH

AEROSPACE ZENITH 9 mm is the most effective material in the Aerospace vibro-acoustic product range, combining advanced anti-vibration and sound insulation properties in a single layer.



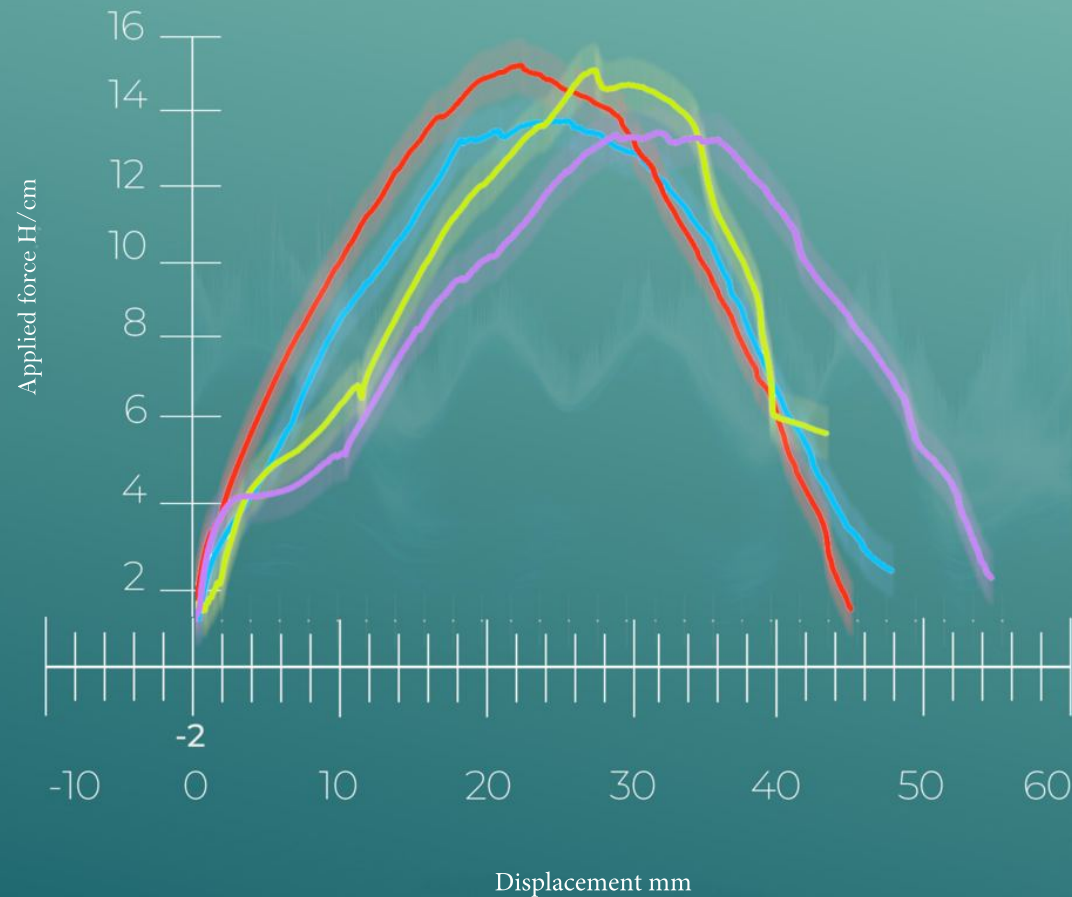
COMFORTMAT weights

1. Aerospace VOLT and PULSAR are the lightest vibro-deadening materials in their class range.
2. Aerospace GALAXY and ZENITH have a good weight to their thickness ratio.



Adhesion

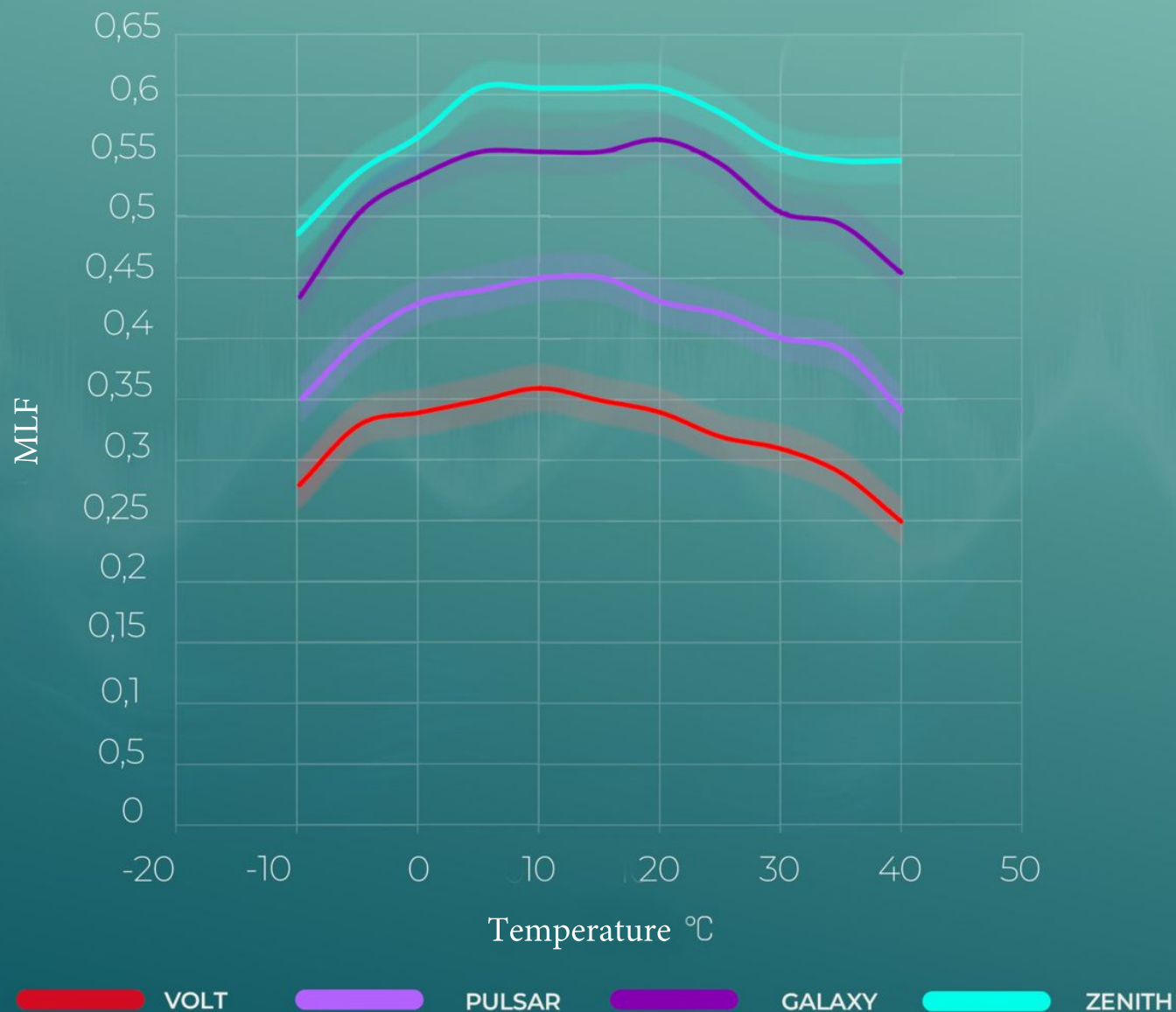
Aerospace materials have a high adhesion (not less than 11 H/cm) with long and reliable lifetime use during the operation of the vehicle



VOLT PULSAR GALAXY ZENITH

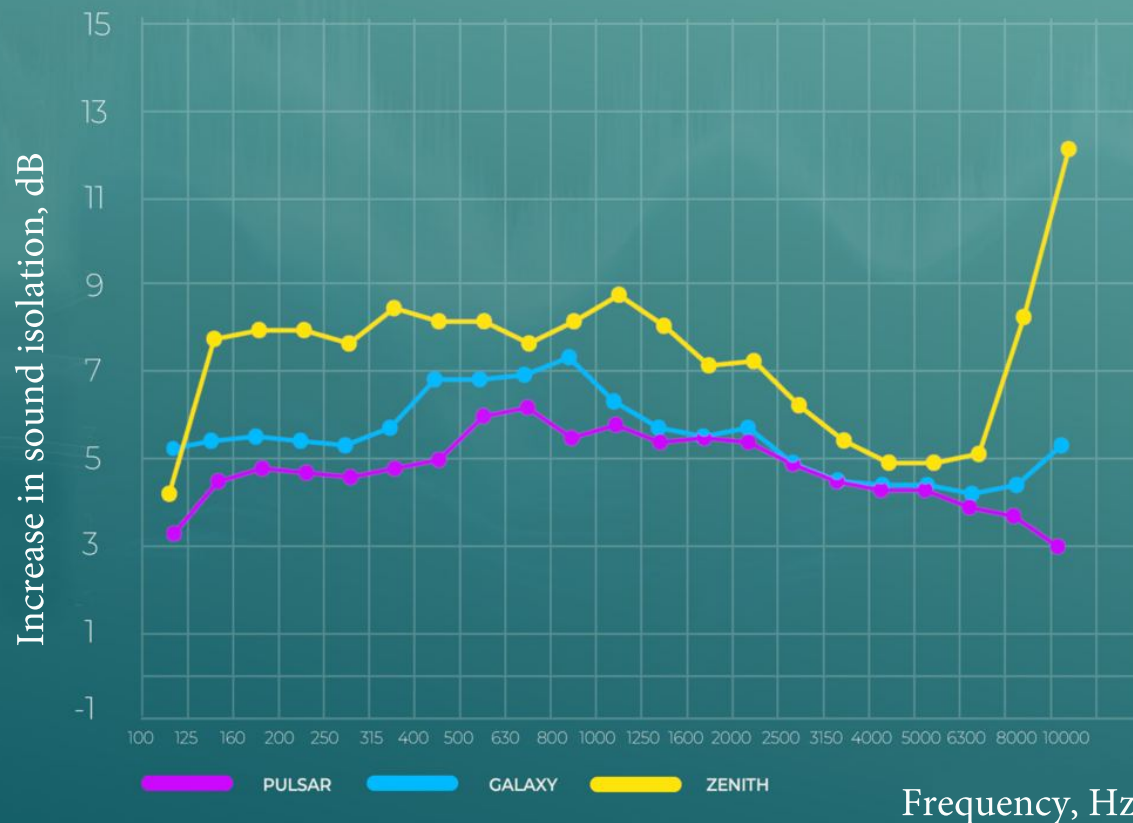
Mechanical loss factor (MLF)

Unlike standard deadening mats, Aerospace materials have great MLF in a wide range of temperature.

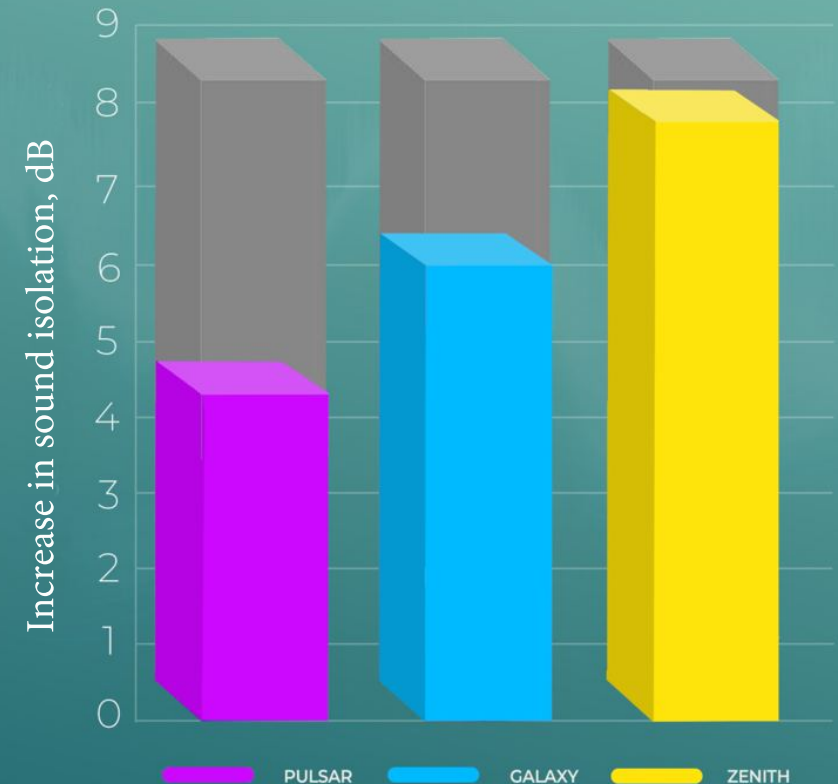


Sound isolation properties

Aerospace materials have both great vibration deadening properties and sound isolation properties in ONE installation layer



Amplitude-frequency response of the metal plate with Aerospace material in relation to empty metal plate with 0.8 mm thickness



Increase in sound isolation of the metal plate with Aerospace material in relation to empty metal plate with 0.8 mm thickness

Rigidity of body steel by bending test

Aerospace materials significantly increase the rigidity of the body steel

