VIBRATION-DEADENING MATERIALS

COMFORTMAT AEROSPACE

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.


VOLT
AEROSPACE
MET

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


C MFORT
AEROSPACE
PULSAR

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 finnish.


MFO
GALAX
MFORT
AEROSPACE

3 mm thick heavy isolation membrane

Aluminum foil

Vibroacoustic layer 6 mm thick with foamed granules

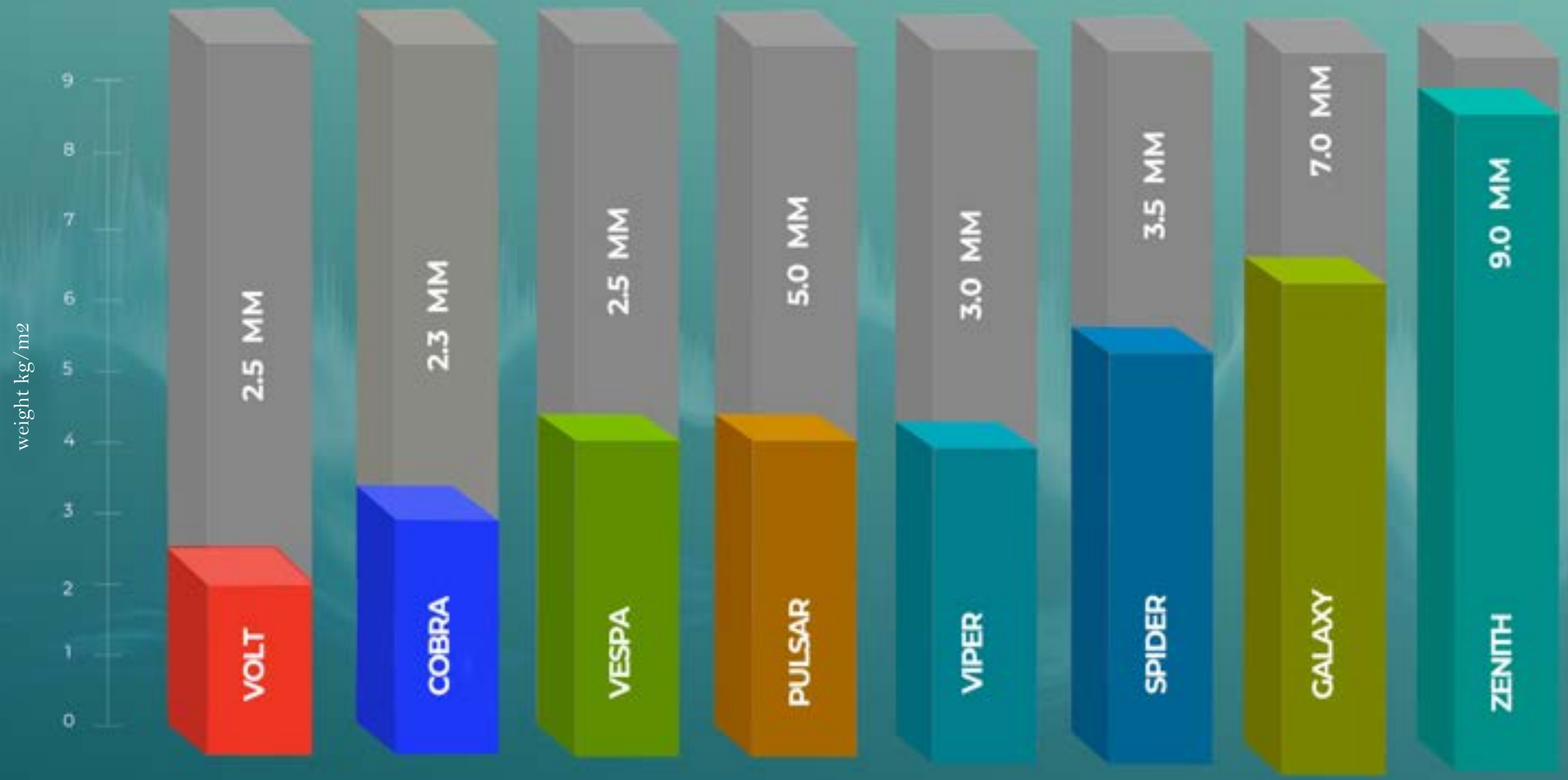
Material structure

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.

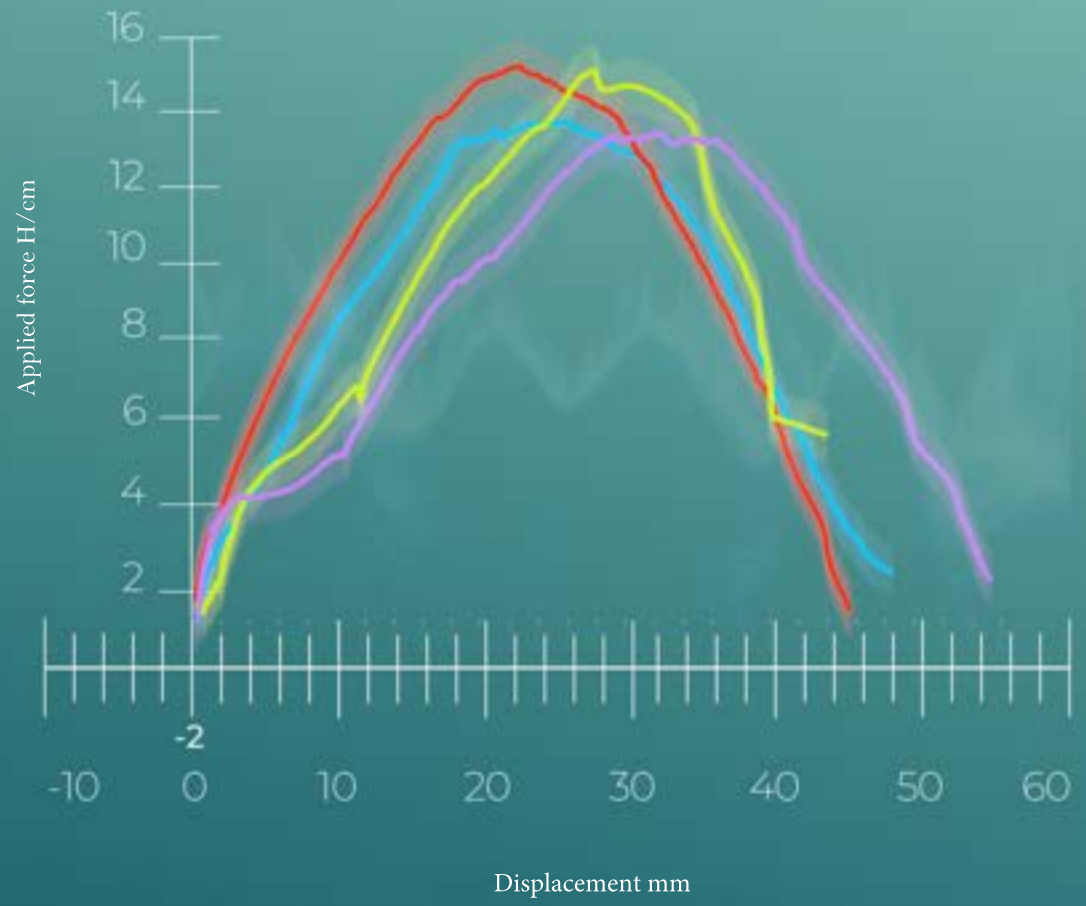
COMFORTMAT weights

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.



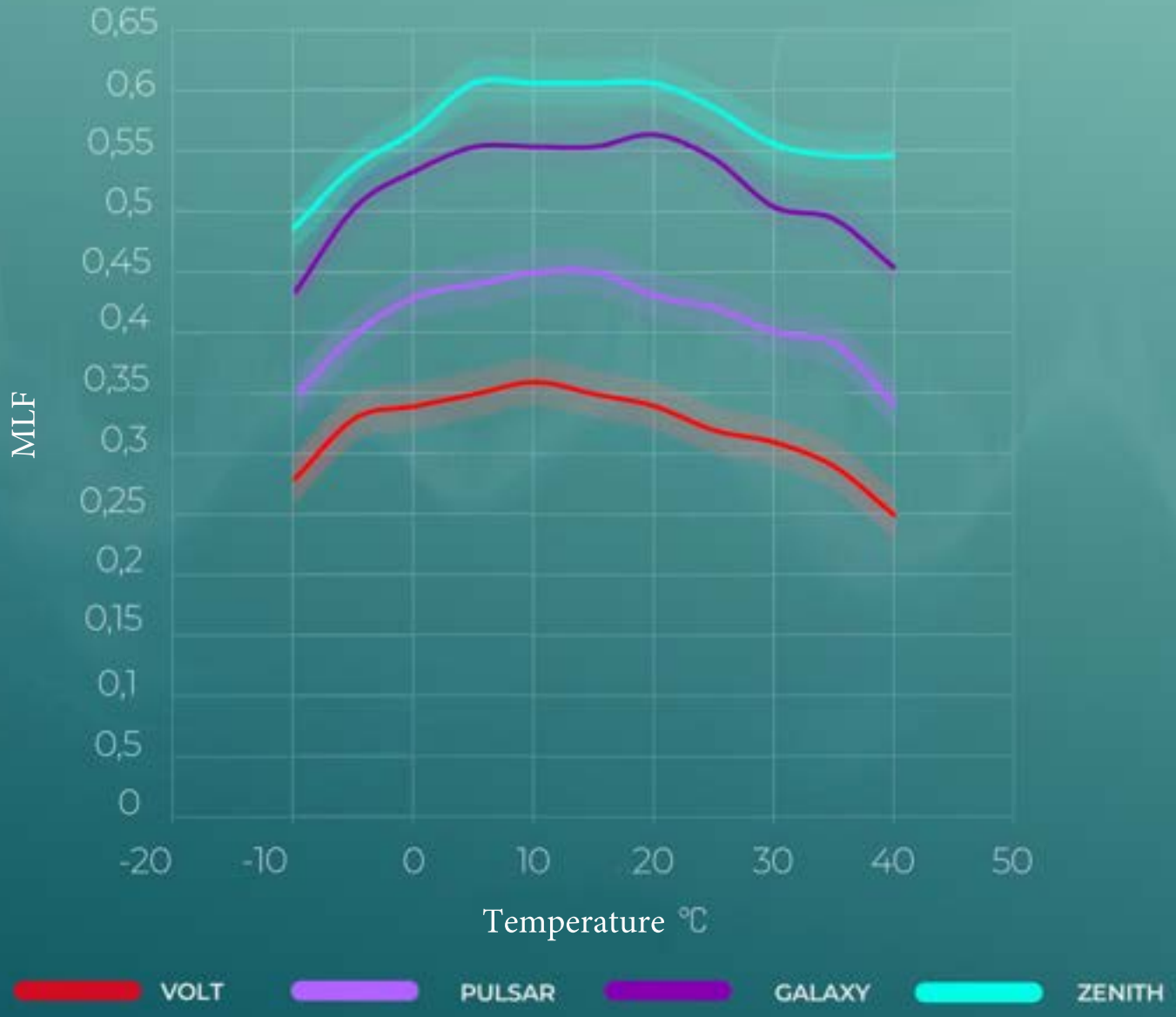
Adhesion

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



Mechanical loss factor (MLF)

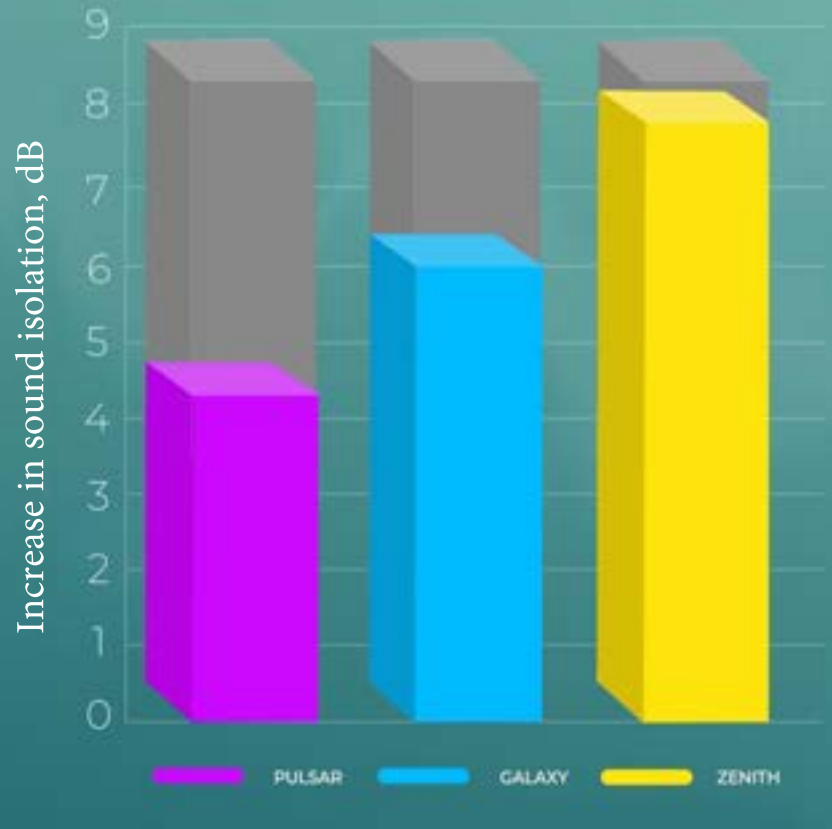
Unlike standart deadening mats, Aerospace materials have great MLF in a wide range of temperature.



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 meterials significantly increase the rigidity of the body steel