

# VDM EX4 HX

Unique multi layered vibration dampening material that is made using our own “sandwich” technology. This sound deadening material possesses best combination of adhesiveness, firmness, thermal stability and vibration absorption on the market. Further benefits lie in the structural composition of the product that makes it easy to install. The product is very firm and durable due to multi layered structure and multi thermal treatment foil infused during the production process.

These properties makes this product ideal for installation in areas as floor panel, bulkhead, wheel arches and others that are subject to excessive vibration.



## MATERIAL DATA SHEET

Name of index	Value	Testing method
Material Thickness (mm)	3.5+-5%	GOST 17073-71
Foil (Outer) Thickness (µm)	100+-10%	
Foil (Inner) Thickness (µm)	60+-10%	
Mass per m <sup>2</sup> (kg)	5.0+-10%	GOST 17073-71
Mechanical Loss Factor on metal plate with thickness 1mm at temperature less than +20°C ( )	>0.45	ISO 6721-3:1994
Fire risk, burning rate (mm/min)	Non-flammable, >100	ISO 3795-76
Durability of connection between the material and the metal surface during flaking-off (N/cm)	>6	ISO 813:2010
Operating Temp. Range (°C)	-40 to +90	
Max. Temp. Intermittent (°C)	+150	
Package weight (kg,avg)	13.90 +-10%	
Package volume (m <sup>3</sup> ,avg)	0.0100 +-10%	

### COMPOSITION

Multi-layer material based on butyl-rubber composition. Material consist of a layer of anti-adhesive paper then several layers of self-adhesive polymers and aluminum foil.

### APPLICATION

This material should installed on clean, dry surfaces, including on complex surfaces. (WARNING: Not to be installed on corroded metal surfaces!). First clean the surface from dirt, it is recommended to use water with neutral detergents, which do not contain organic solvents and alkali. After surface dries, degrease it with white spirit, gasoline or other solvents and allow dry completely.

Peel off the anti-adhesive paper and thoroughly press against the surface, avoiding the formation of air bubbles between the surface and the material. Roll the material with a roller, pressing it through so that

there is no air trapped between the material and the surface (use the "from the center to the edge" technique ). It is best to apply the material in working environments with temperatures between +18 and +35°C.

### STORAGE

Material should be stored inside at temperature not higher than +40°C in horizontal position on a flat surface at a distance not less than 1 m from any heating systems; avoid any wet conditions and contacts with oils and direct sun. Do not stack the materials more than 1.2m in height.

### PACKING TYPE / AREA

17sh 50x27.5 / 2.34 m<sup>2</sup>

IATF 16949:2016  
ISO 14001:2015

