

## VDM M1 HL

High quality multilayer vibro-damping material, which combines layers of newly developed polymer composition with improved adhesion, advanced thermostable properties, increased flexibility and efficiency .

Aluminum foil of the material is produced using multiple thermal treatment approach increasing further its durability and firmness.

It is the ultimate solution for combating the vibration problem in wide frequency and temperature ranges.

Recommended for installation to area with low level vibration load such as: roof and doors, trunk lid and bonnet lid of small cars.



### MATERIAL DATA SHEET

Name of index	Value	Testing method
Material Thickness (mm)	1.6+-5%	GOST 17073-71
Foil (Outer) Thickness (µm)	60+-10%	GOST 17073-71
Mass per m <sup>2</sup> (kg)	2.7+-10%	GOST 17073-71
Mechanical Loss Factor on metal plate with thickness 1mm at temperature less than +20°C ( )	>0.15	DIN EN ISO 6721- 3:1994 (method-A)
Fire risk, burning rate (mm/min)		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)	10.56 +-10%	
Package volume (m <sup>3</sup> ,avg)	0.0100 +-10%	

#### COMPOSITION

Multi-layer material based on butyl-rubber composition. Materials include anti-adhesive paper layer, self-adhesive polymer layer and aluminum foil outer finish layer.

#### 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.

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### 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.

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### PACKING TYPE / AREA

12sh 75x50 / 4.5 m<sup>2</sup>

IATF 16949:2016  
ISO 14001:2015

