

VIDAM (VM)

General Purpose Anti-Vibration Material

Working Pressure Range: 0.15 – 1N/mm²

Why choose Farrat VIDAM?

A high performance general purpose anti vibration material used globally in a very wide range of industrial equipment and machine mounting applications as well as in buildings and structures.

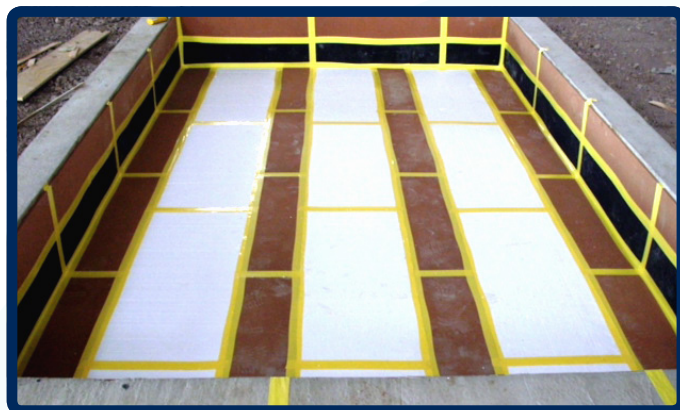
Features

-)] A high quality nitrile rubber / granulated cork composite material
-)] Reduces noise and vibration
-)] Excellent chemical resistance including oils, grease, cleansing agents
-)] Stable under a wide range of atmospheric conditions and is suitable for use outdoors
-)] Low poisons ratio / limited bulging due to presence of cork
-)] Ability to withstand very high dynamic and static loads
-)] No tread
-)] Can be bonded instead of bolted
-)] Free of Polycyclic Aromatic Hydrocarbons (PAH), Heavy Metals (Pb, Cd, Hg and Cr (VI)) and Asbestos
-)] Complies with ROHS and ELV 2000/53/EC European Directives
-)] Working temperature range: -25°C to +120°C
-)] Standard Sheet Size: 1000 x 1000mm
-)] Easy to cut into strips and pads

Applications

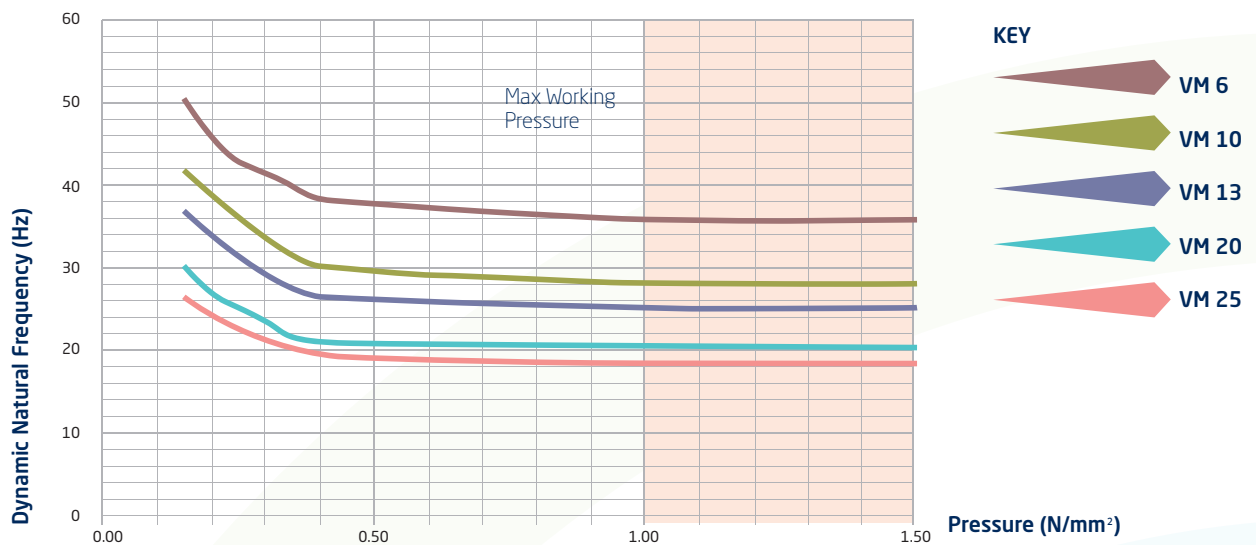
Sheets, Pads, Strips and Isolated Foundations for a wide variety of:

-)] Machine tools and industrial equipment (Saws, lathes, drills, guillotines, textile manufacturing equipment, reciprocating machines e.g. bodymakers, metal extruding presses, drawing presses etc.)
-)] Heating, ventilating and refrigeration equipment (AHUs, CHRVs, Chillers etc.)
-)] Lifts and escalators
-)] Conveyors
-)] Gen sets
-)] Pumps & compressors
-)] Oil & Gas
-)] Offshore, Ships & Shipbuilding
-)] Buildings and structures
-)] Modular accommodation, pods

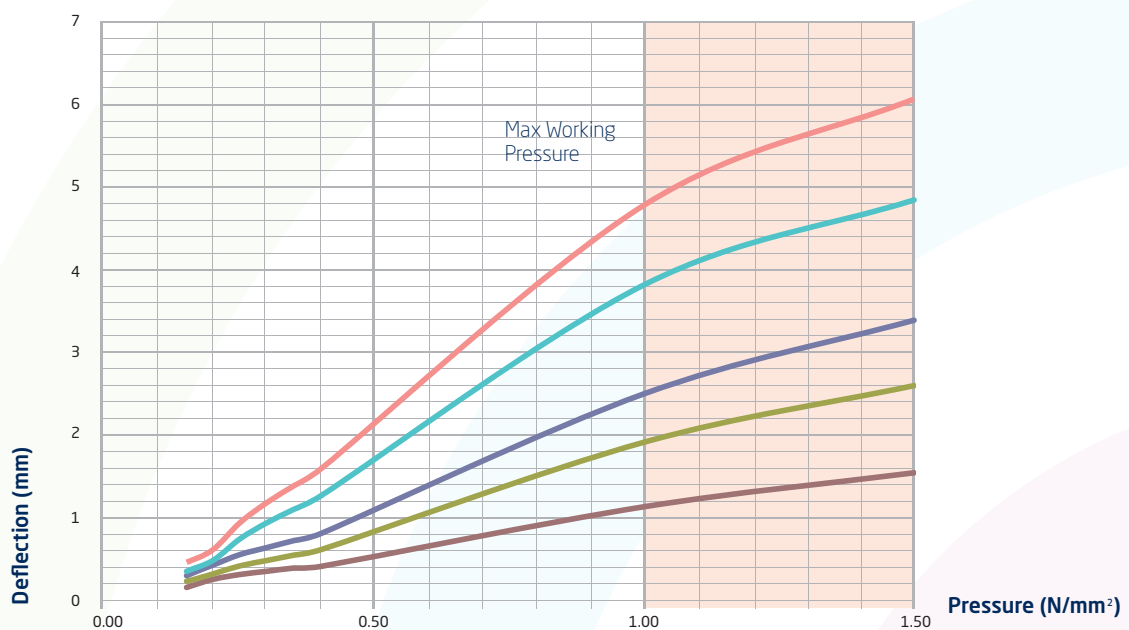


VIDAM (VM)			VM 6	VM 10	VM 13	VM 20	VM 25
Thickness	T	mm	6	10	13	20	25
Density (ASTM D297)	d	kg/m ³	780	780	780	780	780
Static Compression Modulus @ 0.25MPa	Ecs	N/mm ²	4.2	5.4	5.4	6.3	6.3
Specific Static Spring Constant @ 0.25 MPa	SSC	N/mm/mm ²	0.70	0.54	0.42	0.32	0.25
Static Compression Modulus @ 1.00MPa	Ecs	N/mm ²	5.0	5.0	5.0	5.0	5.0
Specific Static Spring Constant @ 1.00 MPa	SSC	N/mm/mm ²	0.83	0.50	0.38	0.25	0.20
Ratio Dyn to Static Modulus @ 0.25MPa	D		5.3	5.1	5.1	4.6	4.7
Damping	C/Cc		0.16	0.12	0.12	0.12	0.12
Tensile Strength (ASTM D412, Die C)		MPa	2.5	2.5	2.5	2.5	2.5
Coeff. of Friction (dry)			0.6	0.6	0.6	0.6	0.6
Hardness Shore A (ASTM D2240)	IRDH A		70	70	70	70	70
Creep Rate (ISO 8013)		%	1.7	1.7	1.7	1.7	1.7
Maximum Working Pressure	MSP	N/mm ²	1.0	1.0	1.0	1.0	1.0
Maximum Overload Pressure	MOP	N/mm ²	1.5	1.5	1.5	1.5	1.5

Pressure (stress) vs Dynamic Natural Frequency



Pressure (stress) vs Deflection



All information in this brochure is for guidance only based on current knowledge and may be subject to change and correction.