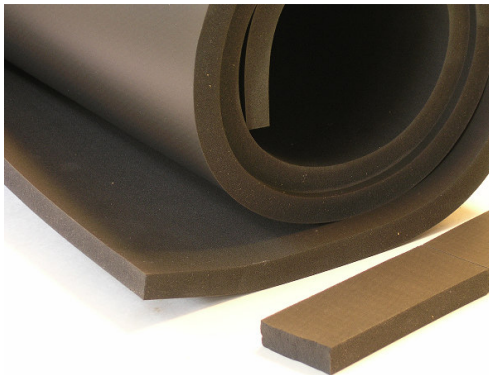
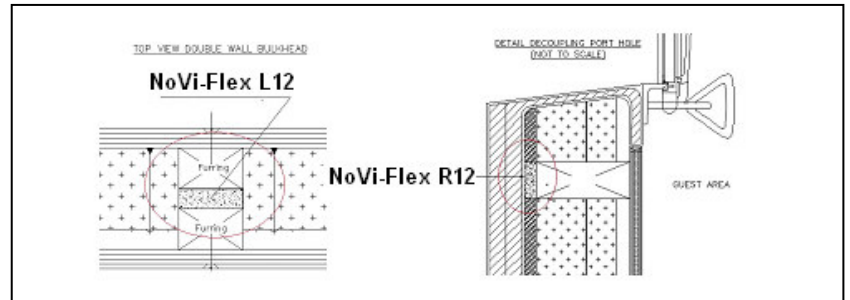

THERMAL- ACOUSTIC CONTROL MATERIALS


NoVi-Flex

Resilient Isolation Damping Sheet



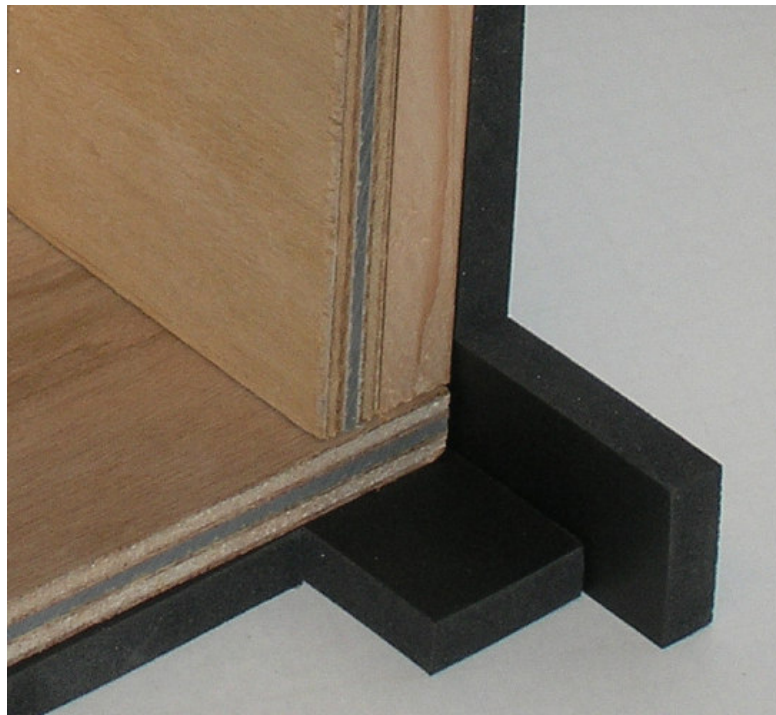
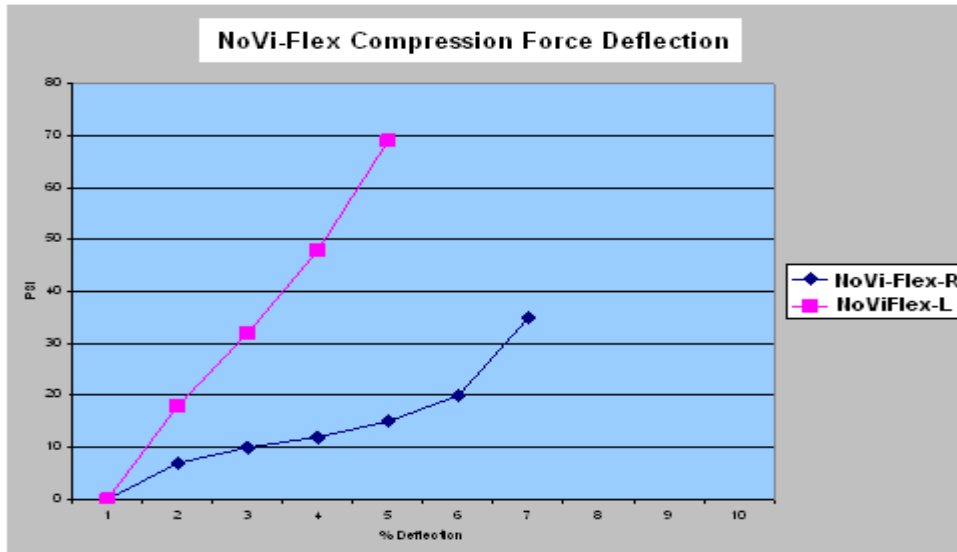
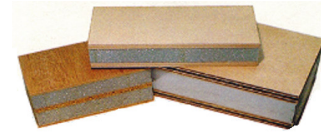
NoVi-Flex is a microcellular PUR based damping and isolation material used for decoupling and isolation of interior and deck construction away from structure. **NoVi-Flex** is supplied in two force deflection capacities: L and R, each gauged to support and isolate horizontal and vertical loads from structure borne noise transmission. Elastic properties are well maintained after short periods of excessive shock overload. Minimal long term compression set and high chemical resistance also make **NoVi-Flex** an excellent choice for bedding of tanks and equipment pallets.

Physical Properties	Test Method	Value
Thickness mm(inch)	Tolerance +/- 10%	6mm (0.25) and 12mm (0.50)
Standard Size:	0.50" x 54"x 40'L , 0.25" x 54"x 80'L	Roll
Packaging	Plain or PSA backed	As strips 40, 50, 100mm by Length
Standard Color		Black
Density, lb/ft (kg/m3)	ASTM 3574-95 A	15 (240)
Durometer Shore "A"	ASTM D2240-97	Type R: 8 Type L: 13
Compression Force Deflection	1mm/min Strain Rate @ 25% def	Type R: 41kPa (5 psi) Type L: 69kPa (10psi)
Compression Set: % max	ASTM D 1667-90 @ 23°C(73°F) ASTM D 3574-95 @ 70°C (158°F) ASTM 3574-95 –J/D autoclaved 5H @ 121°C (250°F)	5 10 5
Tensile Strength pKa (psi) Elongation / %	ASTM D 3574-75-E	Type R: 484kPa (70psi) / 160% Type L: 657kPa (95psi) / 140%
Thermal Conductivity W/m-c (BTU)	ASTM C 518-98	0.09 (0.62)
Recommended Constant Use, max.	SAE J-2236	90°C (194°F)
Water Absorption:% weight gain	AMS 3568-95 High Humidity ASTM D-570-95 Immersion	2 13
UV Resistance	ASTM G-53-96	Good
Flame Spread	UL 94HBF	0.188" – Pass

Recommended Adhesives: **3M**-5200 or SikaFlex moisture set urethane for reposition
3M VHB and Acrylic Transfer Tape for PSA Contact
Loctite Prism 411 Cyanoacrylate

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Use NoVi-Flex to isolate floating interiors away from hard contact with structure.

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