

UNISORB®

INSTALLATION SOLUTIONS

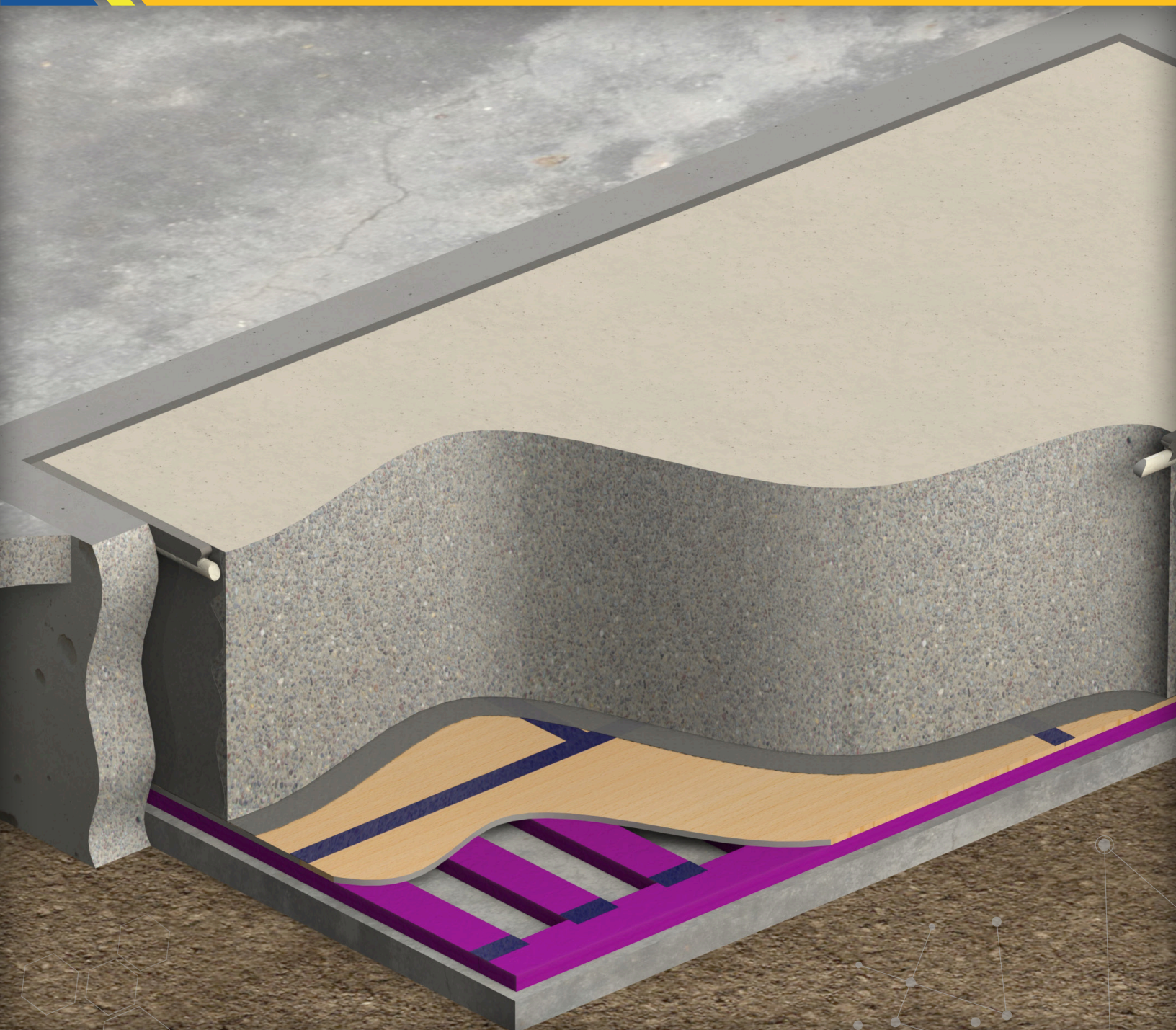
WILREP®

IN CANADA PLEASE CALL : 888-625-8944

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UNISORB Regufoam™

Isolation Materials



UNISORB Regufoam™ Isolation Materials

Controlling Structure Borne Noise and Vibration

UNISORB Regufoam is designed as a vibration-isolating structural element for both source and sensitive equipment installations. It offers an effective, low-cost solution to prevent the transmission of structure-borne noise and vibrations.

Regufoam is an advanced foam material, engineered with a combination of closed and open cells, providing exceptional vibration isolation, superior damping, and long-lasting durability in industrial and commercial settings. With over two decades of successful use, it has proven its reliability in a wide range of applications.

Key Features:

- Natural Frequency Range: 7-15 Hz
- Proven Long-Term Durability
- Easy Installation
- Full Engineering and Field Support from UNISORB

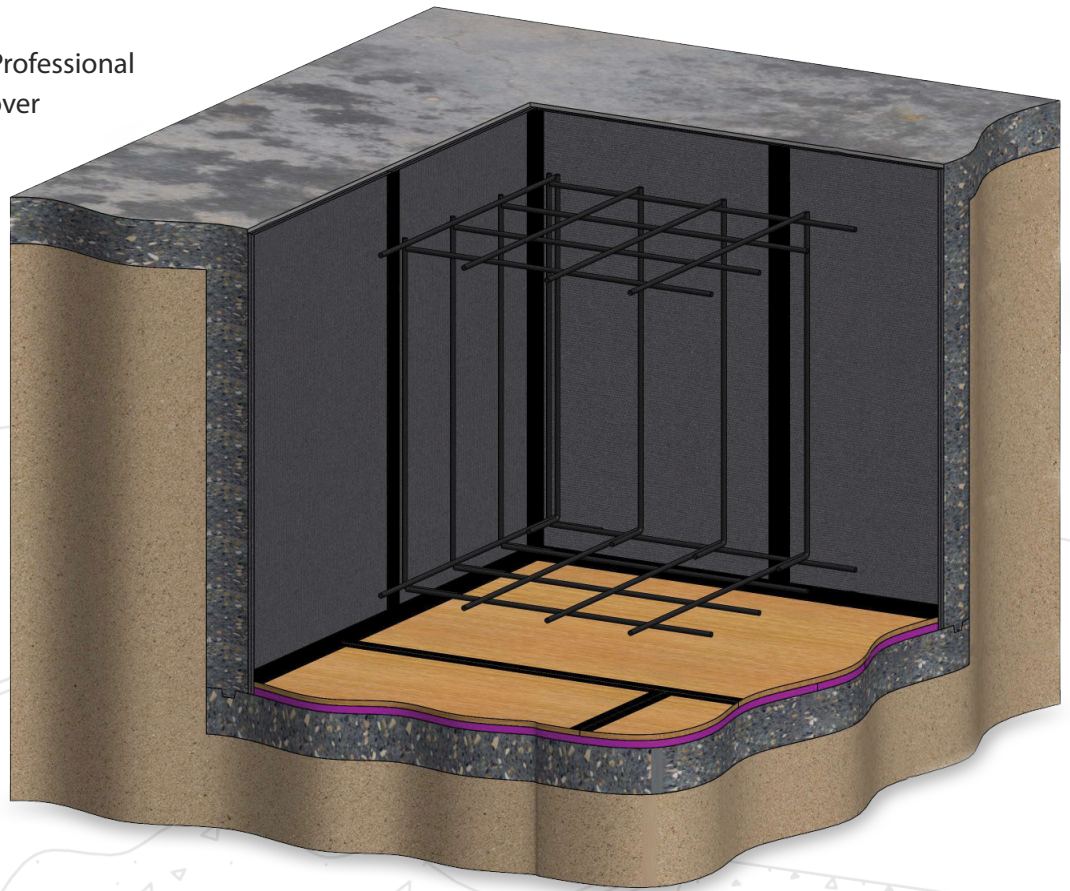


For source machines such as pumps, compressors, fans, and certain manufacturing equipment, Regufoam is used as a support element for simple service pads made of concrete or steel, providing the necessary stability and support for the equipment. In typical installations, vibration isolation performance of 90% or more is easily achieved using standard construction methods. Regufoam helps ensure system natural frequencies are optimized, avoiding building or environmental resonances and proactively preventing potential issues.

For sensitive equipment like precision machine tools, coordinate measuring machines (CMM), and in commercial settings, computers and instrumentation/control equipment, Regufoam may be paired with a larger inertia block mass to achieve very low system natural frequencies. This results in vibration isolation performance exceeding 98% for common disturbances.

Thanks to its innovative design, UNISORB Regufoam can achieve a broad range of natural frequencies to meet various needs.

Additionally, UNISORB offers full Professional Engineering Services (PES), with over 65 years of expertise in vibration isolation, anchoring, grouting, and precision alignment, ensuring your design team receives top-tier support.



Regufoam Technical Specifications

Regufoam Type	Load Limit	Natural Frequency Range (Static)		Load Range (Dynamic)	Natural Frequency Range (Dynamic)	
150 Plus Green	0.011 N/mm ²	25mm	14 - 29 Hz	0.011 - 0.016 N/mm ²	25mm	11.5 - 14 Hz
	1.60 PSI	50mm	9 - 20 Hz	1.60 - 2.32 PSI	50mm	8 - 9 Hz
190 Plus Yellow	0.018 N/mm ²	25mm	13 - 21 Hz	0.018 - 0.028 N/mm ²	25mm	11 - 13 Hz
	2.61 PSI	50mm	8.5 - 14 Hz	2.61 - 4.06 PSI	50mm	7.5 - 8.5 Hz
220 Plus Purple	0.028 N/mm ²	25mm	13 - 20 Hz	0.028 - 0.040 N/mm ²	25mm	10 - 13 Hz
	4.06 PSI	50mm	8.5 - 13 Hz	4.06 - 5.80 PSI	50mm	7 - 8.5 Hz
270 Plus Blue	0.042 N/mm ²	25mm	13 - 18 Hz	0.042 - 0.062 N/mm ²	25mm	10.5 - 13 Hz
	6.09 PSI	50mm	8.5 - 12 Hz	6.09 - 8.99 PSI	50mm	7.5 - 8.5 Hz
300 Plus Black	0.055 N/mm ²	25mm	13 - 16 Hz	0.055 - 0.08 N/mm ²	25mm	9.5 - 13 Hz
	7.98 PSI	50mm	9 - 11 Hz	7.98 - 11.6 PSI	50mm	7 - 9 Hz
400 Plus Grey	0.11 N/mm ²	25mm	12 - 19 Hz	0.11 - 0.16 N/mm ²	25mm	9 - 12 Hz
	16.0 PSI	50mm	8 - 13 Hz	16.0 - 23.2 PSI	50mm	7 - 8 Hz
510 Plus Beige	0.22 N/mm ²	25mm	11 - 17.5 Hz	0.22 - 0.32 N/mm ²	25mm	8.5 - 11 Hz
	31.9 PSI	50mm	8 - 12 Hz	31.9 - 46.4 PSI	50mm	6 - 8 Hz
570 Plus Rose	0.30 N/mm ²	25mm	14 - 17 Hz	0.30 - 0.42 N/mm ²	25mm	12 - 14 Hz
	43.5 PSI	50mm	9.5 - 11.5 Hz	43.5 - 60.9 PSI	50mm	8 - 9.5 Hz
680 Plus Turquoise	0.45 N/mm ²	25mm	13 - 16 Hz	0.45 - 0.62 N/mm ²	25mm	11 - 13 Hz
	65.3 PSI	50mm	8 - 10 Hz	65.3 - 89.9 PSI	50mm	7 - 8 Hz
740 Plus Red	0.60 N/mm ²	25mm	13 - 15 Hz	0.60 - 0.85 N/mm ²	25mm	11 - 13 Hz
	87.0 PSI	50mm	8.5 - 10 Hz	87.0 - 123.0 PSI	50mm	7 - 8.5 Hz
810 Plus Brown	0.85 N/mm ²	25mm	13 - 15 Hz	0.85 - 1.20 N/mm ²	25mm	11 - 13 Hz
	123.0 PSI	50mm	8 - 10 Hz	123.0 - 174.0 PSI	50mm	7.5 - 8 Hz
990 Plus Orange	2.50 N/mm ²	25mm	16 - 24 Hz	2.50 - 3.50 N/mm ²	25mm	15.5 - 16.0 Hz
	353.0 PSI	50mm	8.5 - 12.5 Hz	363.0 - 508.0 PSI	50mm	8 - 8.5 Hz

* Regufoam is available in twelve basic color coded densities, and is easily fabricated on site to match any installation requirement. Regufoam is sold per square foot and is generally specified by UNISORB Engineering. Standard roll size is 1.5M x 5M (59.06" x 196.85"). For specific application data and referenced bulletins, please contact UNISORB.