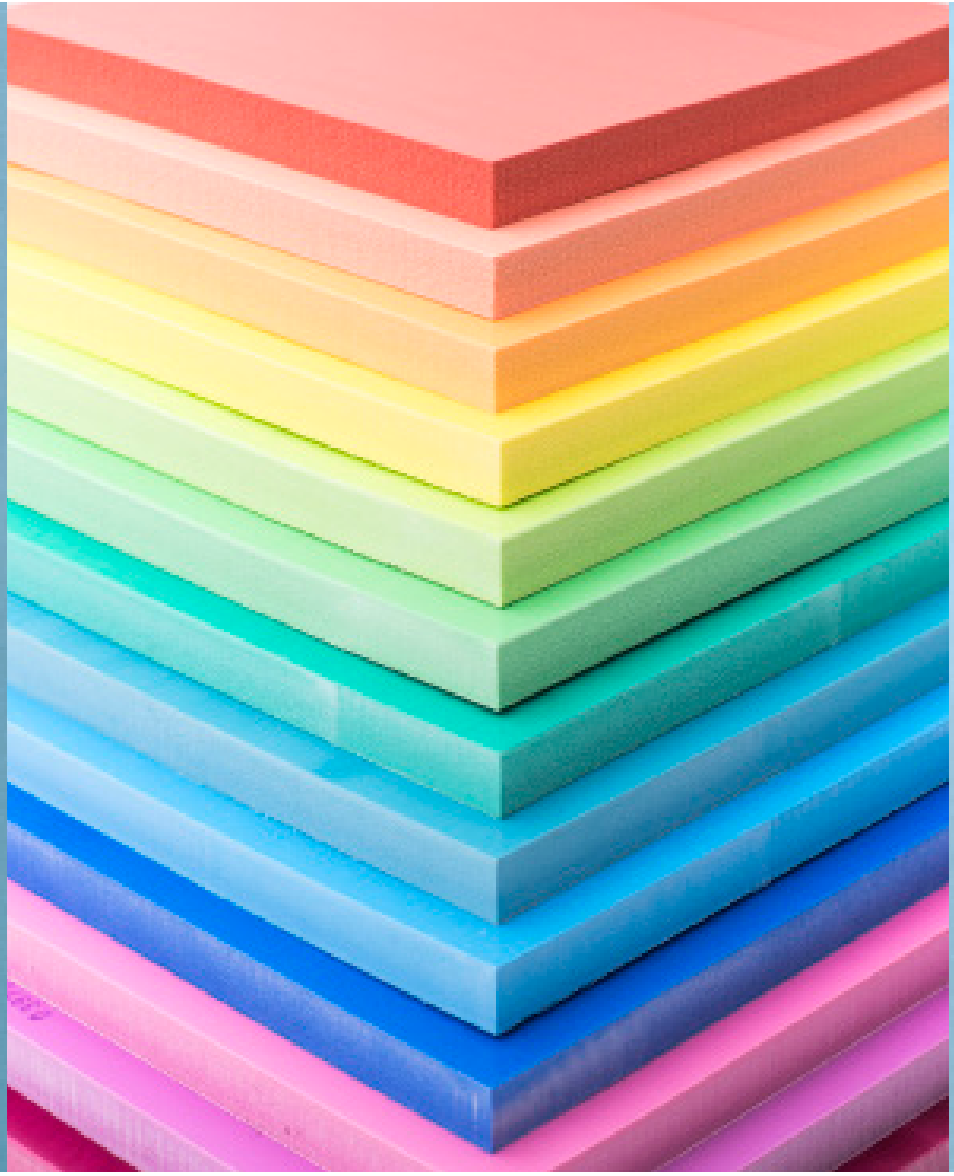


VIBRO/DYNAMICS

VIBRATION ISOLATION MATERIALS

Wide range of uses:

- Commercial Facilities
- Industrial Facilities
- Medical Facilities
- Machinery Foundations
- Medical Equipment
- Quality Rooms
- Building Sections
- Column Supports
- Sidewalls

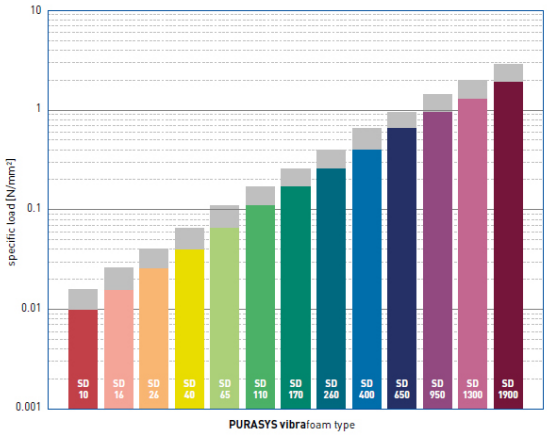
2443 Braga Drive, Broadview, Illinois 60155-3941 U.S.A. 708-345-2050 1-800-842-7668 Fax 708-345-2225
www.vibrodynamics.com / vibro@vibrodynamics.com

vibrafoam and vibradyn

High quality PUR elastomers designed for construction, industrial and commercial applications for maximum protection against disturbing vibrations.

PURASYS PUR-materials (vibrafoam and vibradyn) are polyurethane based cellular elastomers which have outstanding static and dynamics characteristics under compression oriented vertically or horizontally. These advanced PUR elastomers can be applied in full surface area, concentrated load area or strip load area configurations. They are widely recognized as the go-to solution for a wide range of applications within Civil, Commercial and Industrial sectors. The three product lines have a wide range of materials of different densities and load ranges, and three types of cellular structures for different external environments. They are supplied in a standard thickness sheet with distinctive colors for easy recognition. Customized sizes and thicknesses can also be provided tailored to unique application requirements.

vibrafoam



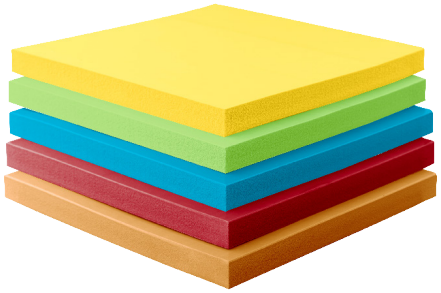
PURSYS vibrafoam series working range

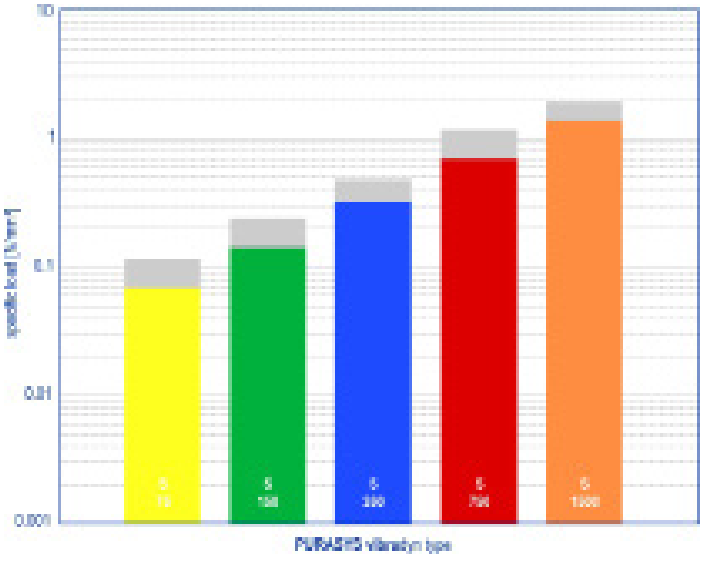

Color coded for easy identification and placement

- Reliable, predictable characteristics
- Highly resilient
- Dimensionally stable
- Moisture resistent
- Wide temperature range (-22° F to 158° F)
- Abrasion resistant
- Ozone resistent

vibradyn (Closed Cell Foam)

vibradyn has a closed cell structure suitable for applications where groundwater is present. Vibradyn comes in 5 different standard types to cover most application requirements.

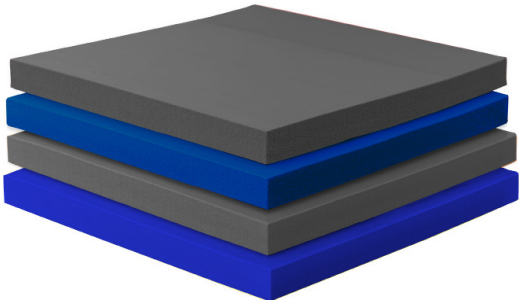


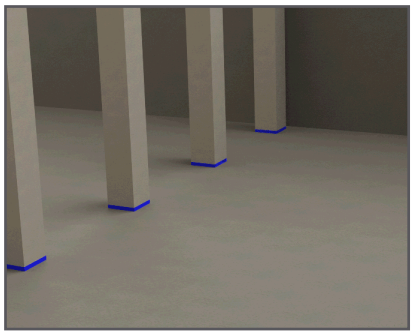


The wide range of standard materials allows our engineers to select the ideal material for practically any area, shape, load, or environment.

vibradyn HL

vibradyn HL offers a closed cell structure combined with high density foam ideal for extreme concentrated loads such as foundation column supports.





HL 3000

Recommendation for elastic bearing

Static load: up to N/mm² [lbf/in²]

3.00 [435.1]

Dynamic load: up to N/mm² [lbf/in²]

4.50 [652.7]

Load peaks: N/mm² [lbf/in²]

10.5 [1522.9]

Values depending on form factor and apply to form factor q=3

HL 6000

Recommendation for elastic bearing

Static load: up to N/mm² [lbf/in²]

6.00 [870.2]

Dynamic load: up to N/mm² [lbf/in²]

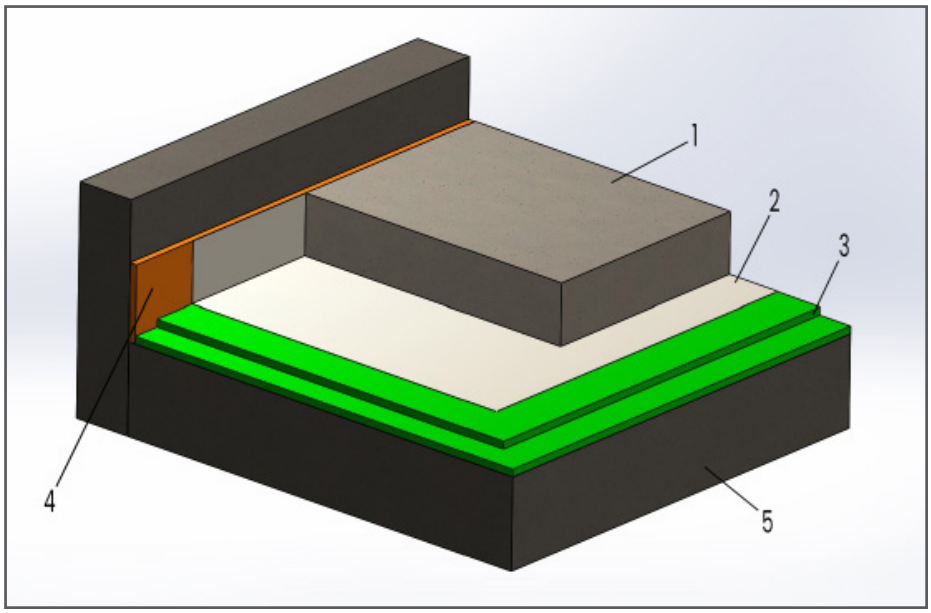
9.00 [1305.3]

Load peaks: N/mm² [lbf/in²]

18.0 [2610.7]

Values depending on form factor and apply to form factor q=3

Vibration isolation material application examples

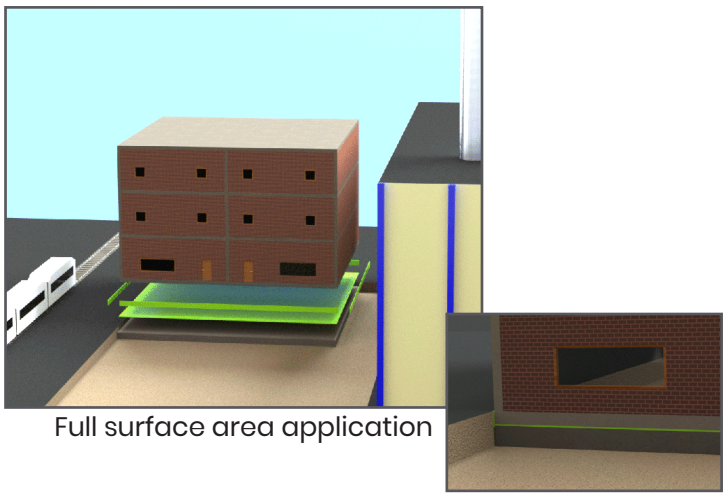


1. Top floor or inertia mass. (e.g., concrete)
2. Polyethelene or similar plastic sheeting.
3. Horizontal application of sheets or strips of vibrafoam or vibradyn.
4. Vertical application of vibrafoam or vibradyn between perimeter sidewalls.
5. Sub foundation.

Types of Applications

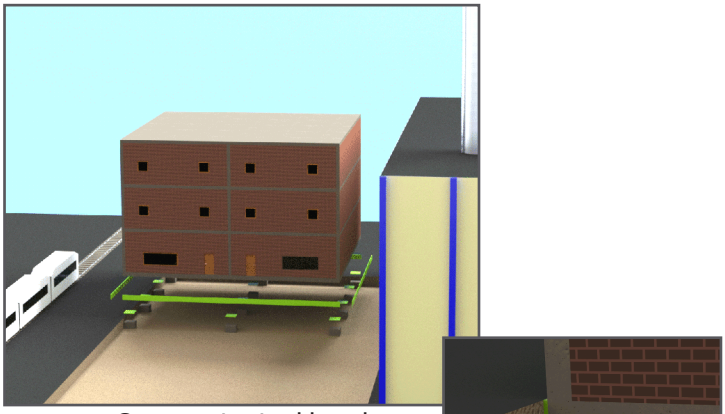
The isolation of building structures prevents disturbing noise and vibration from negatively affecting equipment, machinery, personnel and increases property value.

High-performance isolation material provides effective protection against vibration when placed beneath, around and between structural components.



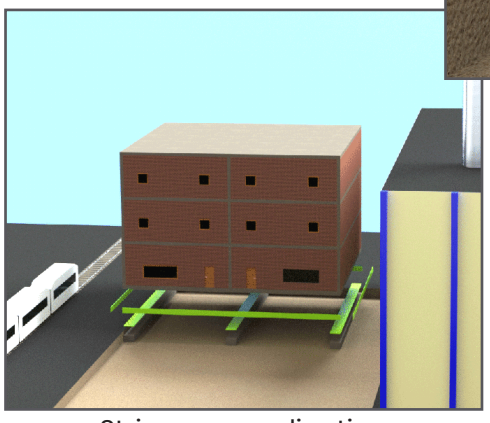
Full surface area application

Full surface and sidewall application



Concentrated load area application

Strip area application

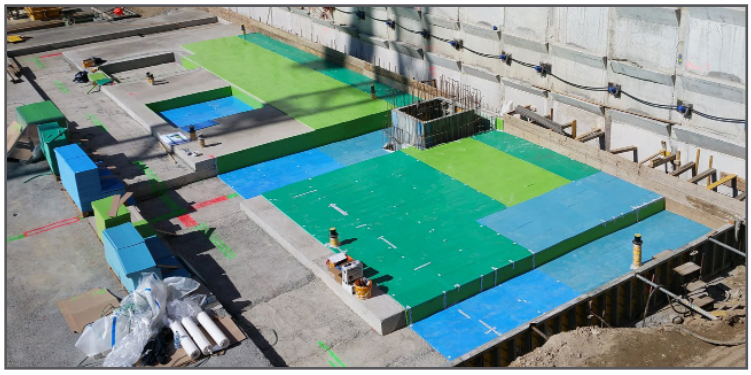


Strip area application

Isolated Foundations

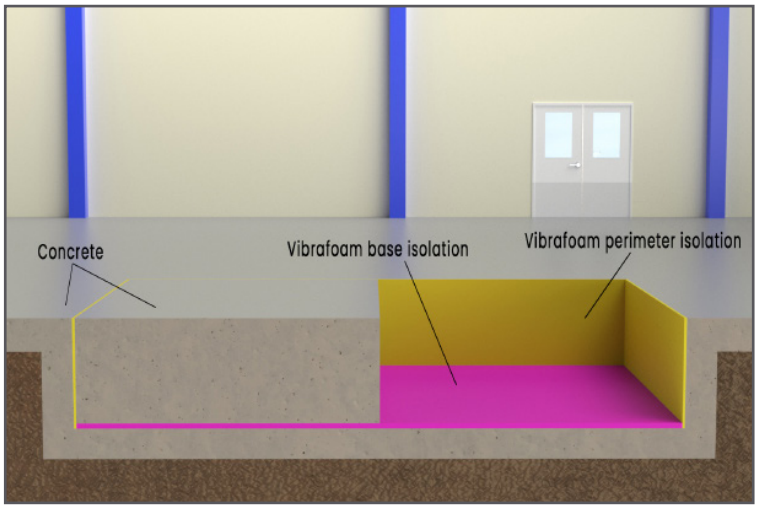
Prevent transmission of disturbing vibration and noise.

Using the right high-performance vibrafoam or vibradyn materials prevents transmission of disturbing vibration to precision machinery. Including engineered vibrafoam or vibradyn in foundation construction minimizes vibration transmitted to the surroundings from high-impact machinery. Including vibrafoam or vibradyn materials in facility design and construction provides the best environment for people, machinery, and sensitive equipment.

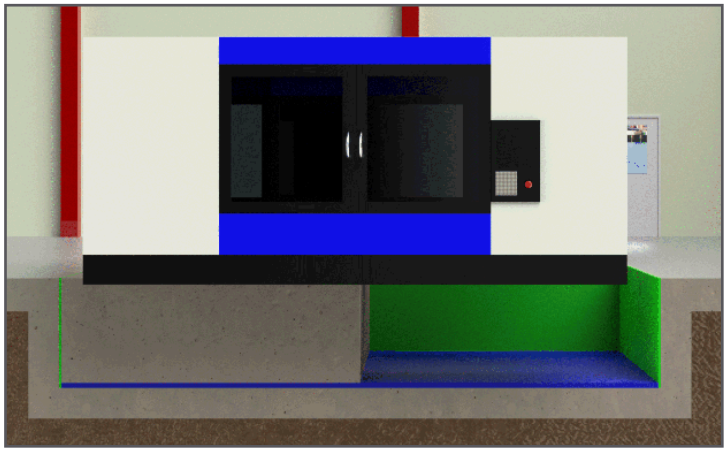


Full surface area installation

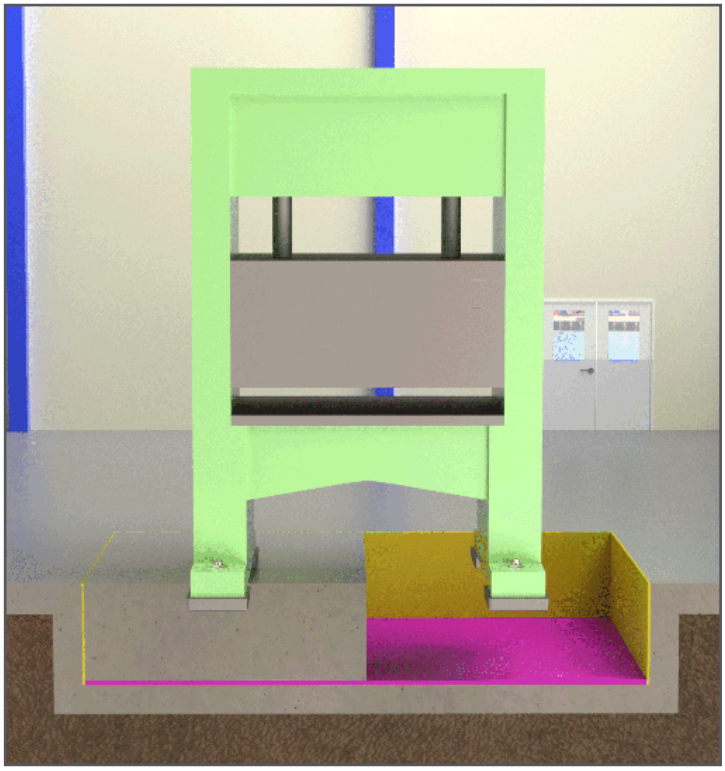
Pit installation



Machine Foundation



Machine tool foundation



Stamping press foundation

Your Engineering Resource

Expert Guidance

Our experienced engineering team will work with you directly to find the material that best meets the requirements of each installation area.

Our Engineering team's capability:

- Work closely with you to fully understand your application and its challenges.
- Review construction drawings and applicable standards.
- Recommend the type and application of vibrafoam or vibradyn material.
- Provide onsite supervision ensuring correct implementation of solution.
- Provide you with installation guidelines if onsite supervision is not desired.
- Provide supplementary materials for applications (membranes, installation tapes, etc.)

A Wide Range of Uses

- 3D printers
- Fitness center flooring
- Blacksmith hammers
- Circuit printing rooms
- CMM machines
- CNC machine tools
- Libraries
- EDM machines
- Flying cutoff presses
- Laser cutting
- Metrology labs
- Microscopes
- MRI/Medical equipment
- Precision scales
- Quiet rooms
- Video quality inspection
- And many other applications

Our other product lines

Spring Isolators

Wire Rope Isolators

Elastomer Isolators

VIBRO/DYNAMICS

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