

## UNISORB® RT-6.5 Low Frequency Isolation Block



Installations of high precision production and measuring equipment can be influenced by nearby vibrations traveling through the soils and structures of your facility. When the accuracy or quality of surface finish of your equipment and/or part is compromised by environmental vibrations, then consider UNISORB's solution that will virtually eliminate vibrations generated by industrial operations; Unisorb RT-6.5 Low Frequency Isolation Blocks.

UNISORB RT-6.5 Blocks can be configured to support the weight of virtually any size machine/foundation combination. UNISORB RT-6.5 Blocks also may be used in a variety of applications requiring the isolation of machinery generating large amplitude vibrations. Each RT-6.5 Block can support up to 6,500 lbs. per block. This makes them ideal for installations such as the following:

- Coordinate Measuring Machines
- High precision machining centers
- Dynamometers
- Metrology equipment
- Grinders
- Gearboxes
- Sound enclosures
- Industrial fans
- Rate tables
- Shakers

UNISORB RT-6.5 Low Frequency Isolation Block has been specifically developed for applications involving either low frequency source vibration or large amplitude vibration sources. They are typically used in the application of supporting concrete foundations to provide highly effective isolation for source or sensitive machines.

The UNISORB RT-6.5 Low Frequency Isolation Block is manufactured via a transfer molding process using a proprietary formulation of natural rubber to achieve uniform and predictable isolation properties. The combination of rubber formulation and unique geometric shape provide carefully controlled load deflection characteristics that make the UNISORB RT-6.5 Block an excellent lower cost alternative to much more expensive systems normally required to reach system natural frequencies below 4.0 Hz.

UNISORB offers many engineering services including Foundation Design, On-Site Vibration Survey, Application Engineering, etc. to best provide all information required for a successful project. Vibration Survey services are often performed to establish the frequencies and amplitudes present at the proposed machine installation location to identify the level of isolation performance required.

Contact Unisorb to discuss the specifics of your project via telephone 888-4UNISORB (888-486-4767) or email at [engineering@unisorb.com](mailto:engineering@unisorb.com)

