

Product description

VIKACELL is a microcellular elastomer that is especially flexible and can tolerate up to 75% - 80% compression without damage to the material.

Application

We typically use VIKACELL 400 for floating floors where acoustic insulation requirements are high. The material can also be used to set up machinery on a floating foundation and also for general placement of machinery. The material was developed for the automotive industry where it is used as an absorber in the suspension system, so it can handle long-duration dynamic loading.

Attenuation

The transmission of structure-borne noise with low frequencies through a floating floor can be attenuated effectively by designing the floating floor to have a very low natural frequency.

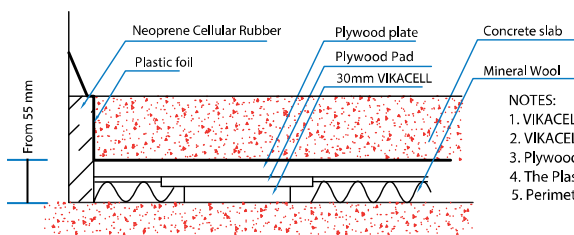
Advantages

VIKACELL can be dimensioned for a dynamic natural frequency of 8 Hz at a height of only 30 mm, which is less than half the height that other materials need to achieve the same natural frequency.

Installation

VIKACELL is typically used as blocks that are customized for the bearing capacity and requirements for insulation efficiency.

Normal maximal static load 0.45 N/mm².



NOTES:

1. VIKACELL Pad
2. VIKACELL and Plywood pad are glued
3. Plywoodplate and Plywood pad are screwet together
4. The Plastic foil is to cover the entire area and is overlapped and taped
5. Perimeter isolation can be Neoprene Cellular rubber used against all building struct

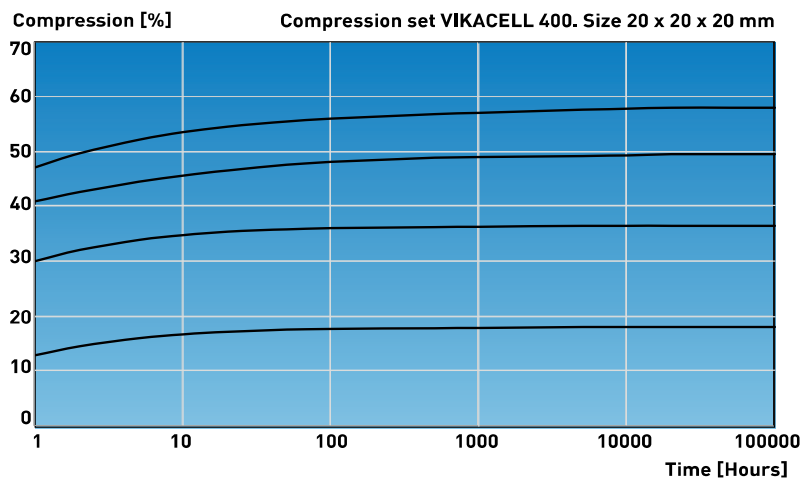
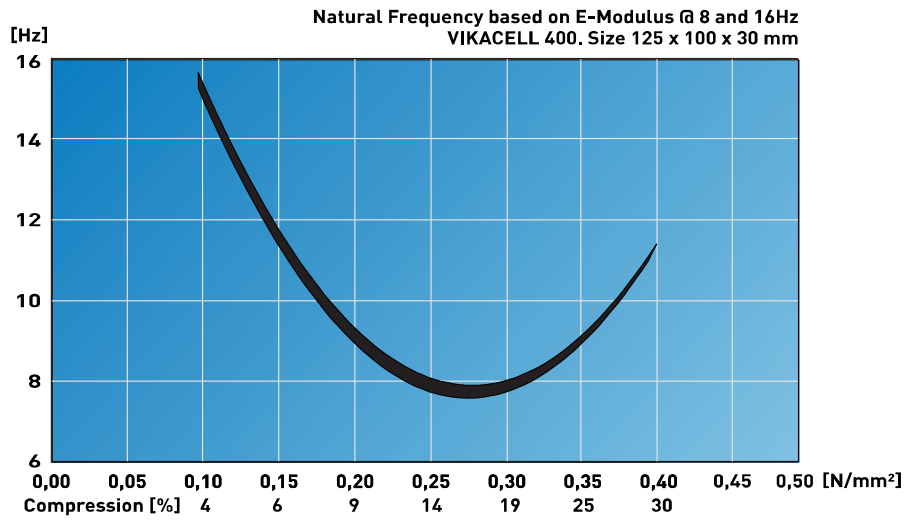


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