

Product description

VIKAFOAM is a cellular elastomer, manufactured from a special type of polyether urethane elastomer. The product is used in mechanical industries and in construction as vibration insulation. Floating floors are constructed of VIKAFOAM and concrete or wood, which together provide particularly effective noise attenuation and vibration insulation. The system can be used for projects large and small and it is very flexible.

Application

VIKAFOAM is often used as a structural soundproofing material in buildings, either beneath individual building components or to separate entire buildings from their foundations.

Attenuation

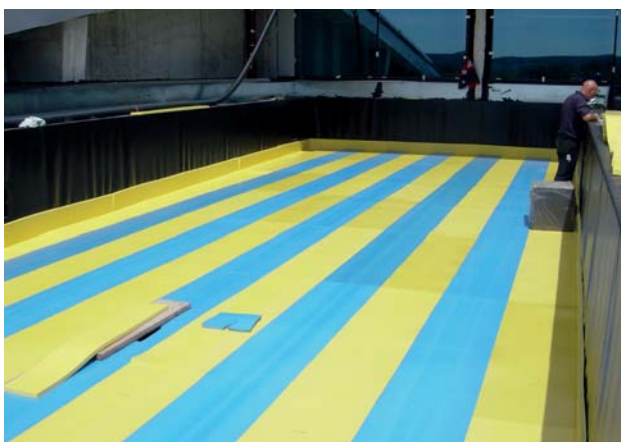
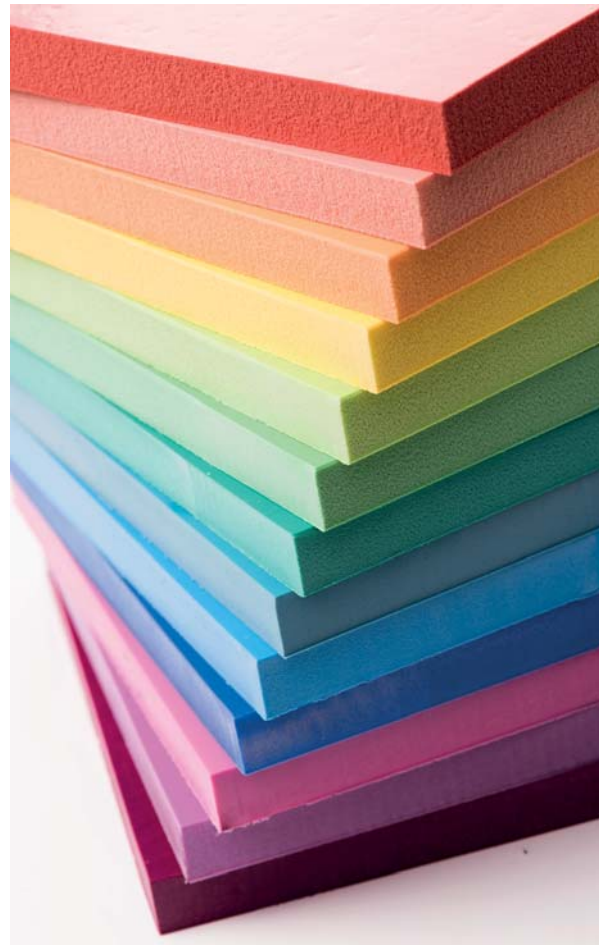
The VIKAFOAM material has a uniform and well-defined attenuation capacity. Internal attenuation for VIKAFOAM is determined by the mechanical loss factor. For VIKAFOAM, this value is between 0.1 to 0.3, depending on the density.

Fire performance

VIKAFOAM has been tested in accordance with DIN 4102 and achieved a B2 fire rating (normal combustibility). No corrosive/caustic fumes occur in the event of a fire. In its composition, VIKAFOAM should be considered the same as wood and mineral wool.

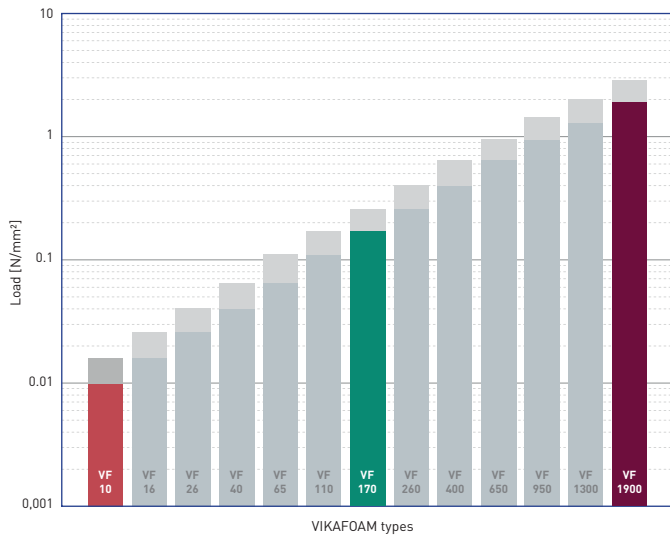
Resistance to weather and chemicals

VIKAFOAM is resistant to substances such as water, concrete, oil, grease, diluted acids and alkalis.



Project Photos

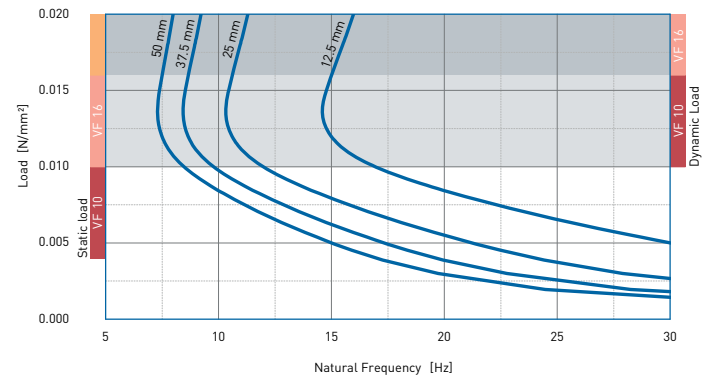
IAC VIKAFOAM Types
Load range



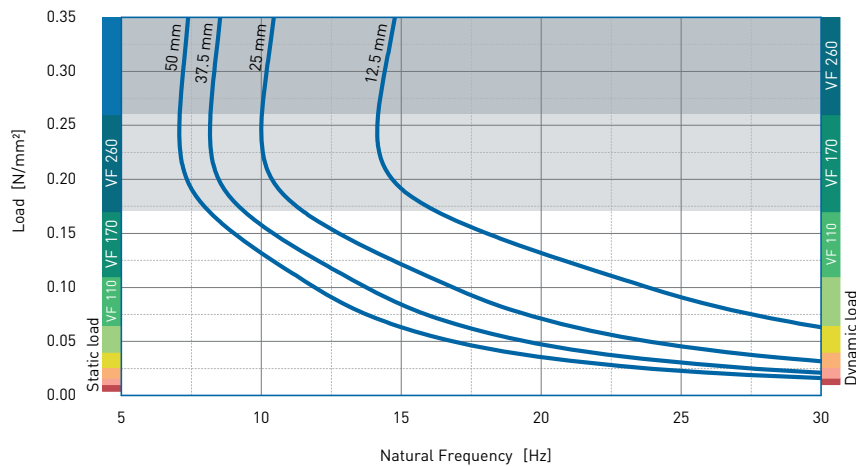
CURVES:

3 varieties of VIKAFOAM with 13 different densities. For more information, please see our main website and VIKAFOAM

VF 10 Natural Frequency based on E-modulus @ 10Hz



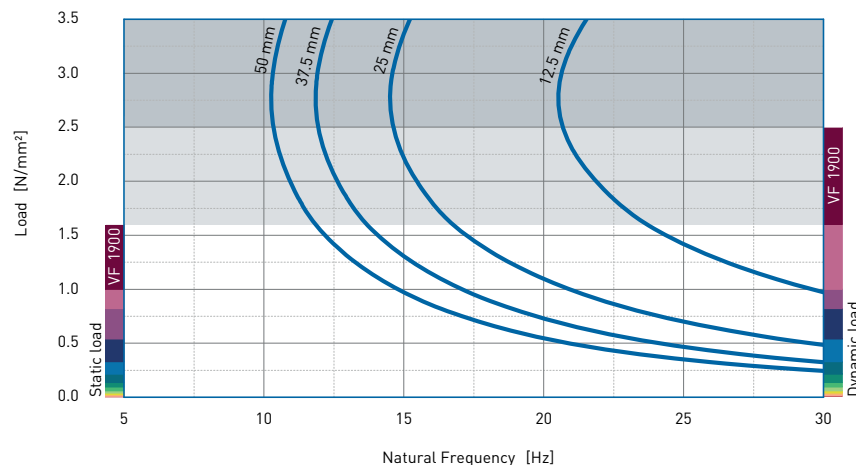
VF 170 Natural Frequency based on E-modulus @ 10Hz



Natural frequency of a single-degree-of-freedom system consisting of a fixed mass and an elastic bearing consisting of VIKAFOAM VF 170 on a stiff subgrade.

Form factor $q = 3$

VF 1900 Natural Frequency based on E-modulus @ 10Hz



Natural frequency of a single-degree-of-freedom system consisting of a fixed mass and an elastic bearing consisting of VIKAFOAM VF 1900 on a stiff subgrade.

Form factor $q = 1,25$