

VIBRATION DAMPING AND SOUND INSULATION

VIBRAFON FSP – vibration-damping full-surface application in building sections, by means of plates



VIBRAFON FSP	Thickness*	Cushioning frequency
Sylomer/Sylodyn	12 mm	As of 17-19/16-19 Hz
Sylomer/Sylodyn	25 mm	As of 11.5-14,5/11-13 Hz
Sylomer/Sylodyn	37 mm	As of 9-11/8,7-11 Hz
Sylomer/Sylodyn	50 mm	As of 7.8-9.1/7.5-9 Hz
Sylomer/Sylodyn	75 mm	As of 6.4-7.4/5.9-7 Hz
Sylomer/Sylodyn	100 mm	As of 5.4-6.3/5-6 Hz
Sylomer/Sylodyn	150 mm	As of 4.2-4.9/4.2-5 Hz

* Depending on the load and type

Product description Vibrafon FSP bearings are vibration-damping mats that can be inserted between two architectural constructions, with the purpose of limiting the transfer of vibrations.

Properties

- Exceedingly good vibration-insulating properties
- Easily and quickly installed
- Also effective whenever they are installed in groundwater
- Different thicknesses are possible
- Service life of more than 50 years
- For an indication of the vibration-damping properties, please refer to the table. However, these values must be recalculated for each project, taking into account the loads and other information of the project.

Application

In many cases, VIBRAFON FSP bearings are installed in the foundations of a building, so as to prevent vibrations from the surroundings and other building sections (for instance caused by railroad tracks, machines, music etc.). Furthermore, VIBRAFON FSP bearings are applied between the underground and the foundations of buildings. VIBRAFON FSP bearings are also used for floating floor constructions.

Required information

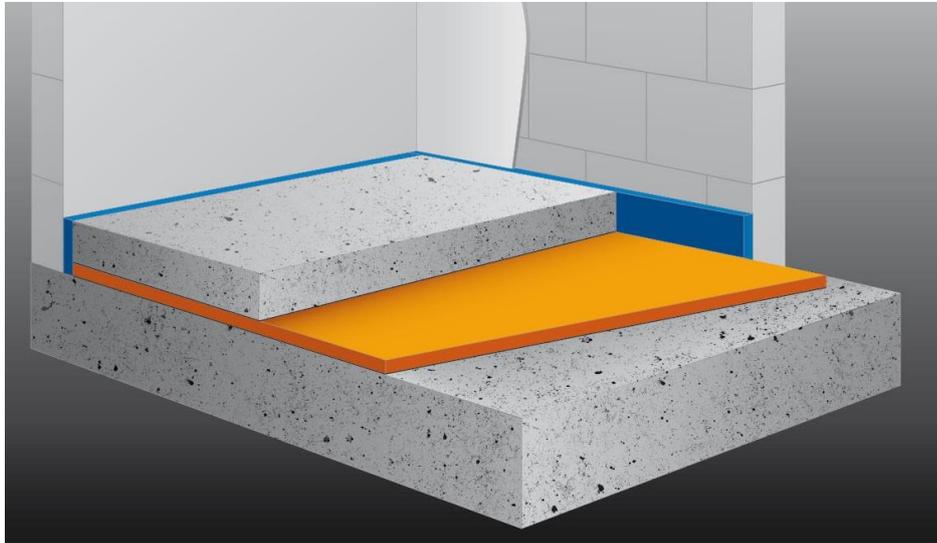
For a good expert opinion, the following information is necessary:

- Required cushioning frequency
- Information with regard to the static, dynamic and maximum load, both in a horizontal and in a vertical direction
- Drawings of the building sections in which the products are to be used
- Details of the construction in which the VIBRAFON FSP bearing is installed
- The pile plan of the building
- Available space and height for the product
- Fire requirements

Dimensions

The plates have a standard dimension of 5000 x 1500 mm, but specifically required dimensions can also be supplied. For possible thicknesses, see the above table.

Schematic diagram



Illustrations

