

## VIBRATION DAMPING AND SOUND INSULATION

### VIBRAFON ST – vibration-damping application in building sections, by means of strips



VIBRAFON ST	Thickness*	Cushioning frequency
Sylomer/Sylodyn	12 mm	As of 16-19/16-18.5 Hz
Sylomer/Sylodyn	25 mm	As of 11-13/10.5-13 Hz
Sylomer/Sylodyn	37 mm	As of 9-10.5/8.5-10 Hz
Sylomer/Sylodyn	50 mm	As of 7.5-10/7.5-9 Hz
Sylomer/Sylodyn	75 mm	As of 6-7.5/6-7 Hz
Sylomer/Sylodyn	100 mm	As of 5.4-6.5/5.2-6 Hz
Sylomer/Sylodyn	150 mm	As of 4.4-5.3/4.2-4.9 Hz

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

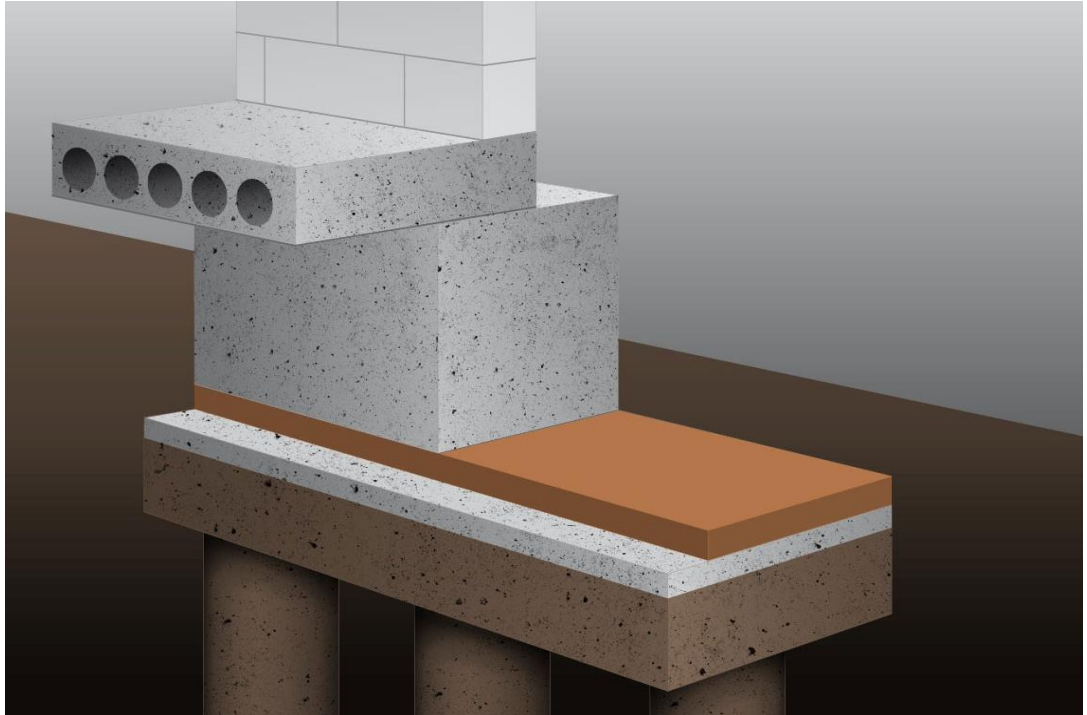
- Properties**
- Exceedingly good vibration-insulating properties
  - Easily and quickly installed
  - Cost-effective solution
  - Different thicknesses are possible
  - Service life of more than 50 years
  - For an indication of the vibration-damping properties, please refer to the table. However, these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

**Application** In many cases, VIBRAFON ST 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.). VIBRAFON ST 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 at each application location, 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 ST bearing is installed
  - The pile plan of the building
  - Available space and height for the product
  - Fire requirements

**Dimensions** The dimensions of the strips differ, dependent on the building sections that are to be supported and the load.

Schematic diagram



Illustrations

