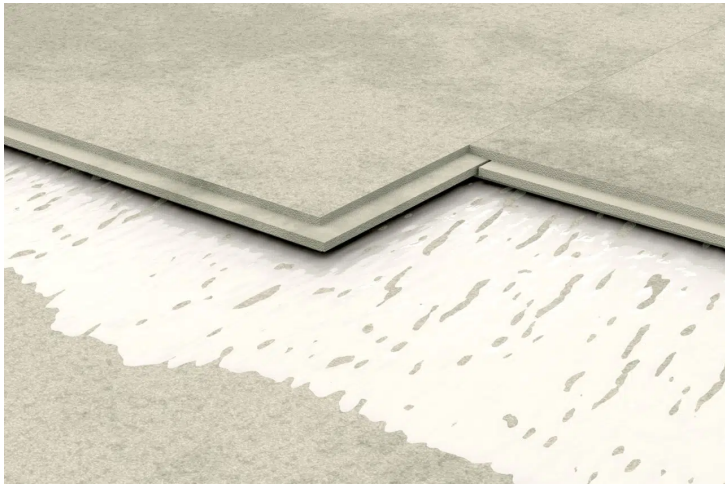




Damping Glue DG-1000

The viscoelastic damping material, DG-1000, is a one component acrylic compound optimised to give a high composite damping in combination with the base structure and a constraining layer. DG-1000 can be used in combination with steel, aluminium, concrete floor, MDF, wood and other porous materials.

Product Characteristics

Not currently in stock. Contact us for more information, or check out our other damping glue **DG-2000**

DG-1000 can be used in combination with:

- Steel
- Aluminium
- Concrete floor
- MDF
- Wood and other porous materials.

The high damping loss factor is obtained over a wide frequency and temperature range. The result of an optimized loss factor and shear modulus of the damping material is a big reduction of the structural vibrations and therefore also the radiated sound as well as an increased transmission loss.

Acoustic Properties

The stiffness ratio between the constraining layers should preferably be 1:3. Best result is obtained with ratio 1:1.

DG-1000 is easy to apply and increases the damping of the base structure which leads to lower vibrations, increased impact damping and less noise radiation.

Product Applications

Applications

- Structural damping of floors in bus and rail vehicles, stages and walls.
- Impact damping of floors, e.g. in buildings and trains.
- Increased transmission loss of walls and doors.
- Further more is the glue an excellent solution for loudspeaker constructions.

Damped and suspended concrete floor system with improved impact damping and reduced noise transmission:

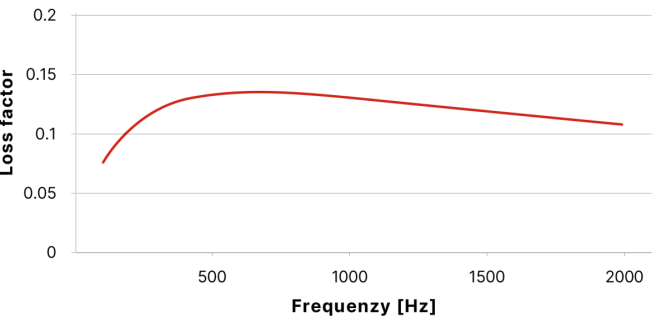
A floor construction with concrete elements (such as 200 mm thick hollow "HDF 20" elements) coated with approximately 2 mm damping compound type **DG-1000** and about 50 mm concrete casted onto the **DG-1000**, creates a well damped floor system with reduced impact noise.

In order to further improve the acoustic performance of the floor system the concrete elements may be placed on elastic decouplers (e.g. Rubloc), decoupling the floor system from the building.

Technical Specifications

Equivalent Loss Factor

200 mm concrete + 1.5 mm DG-1000 + 50 mm concrete





Damping-Glue-DG-1000-technical specifications

damping-glue-dg-1000-technical-specifications.xlsx

Properties

Colour	Whitish
Solvent	Water
Density (dry)	~ 1560 kg/m3
Density (wet)	~ 1350kg/m3
Viscosity:	Thixotropic
Solid content	~ 70 % by weight
Drying time at 20°C	Around 24 hours
Storage	Can be stored at least 2 years in unopened condition assuming the containers are protected from direct sun light and stored at temperatures between 10-25°C
	(Protect from frost!)
Size	16 kg



Contact information

Sweden

+46 176207880
info@vibratec.se

Norway

+47 33070750
info@vibratec.no

Denmark

+45 49132244
info@vibratec.dk

Estonia

+372 56627990
info@vibratec.ee

Finland

+35 8402589117
palvelu@3di.fi

India

+91 7755996308
rc@vibratec.in



vibratec.org/linkedin



vibratec.org/youtube



vibratec.org/vimeo