



Elastomer NOVODAMP®

NOVODAMP® Closed-Cell Polyurethane is the premium solution for elastic support and vibration isolation for buildings and rail infrastructure. Developed and manufactured in Germany under the strictest quality controls, NOVODAMP® ensures durable, reliable, and precisely engineered performance for demanding applications.

Variations



NOVODAMP® T006

NOVODAMP® Closed-Cell Polyurethane T006 is the premium solution for elastic support and vibration isolation in buildings, rail infrastructure, and mass-spring systems. Developed and manufactured in Germany under the strictest quality controls, NOVODAMP® ensures durable, reliable, and precisely engineered performance for demanding applications.



NOVODAMP® T008

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NOVODAMP® T010

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NOVODAMP® T018

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NOVODAMP® T025

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NOVODAMP® T035

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NOVODAMP® T045

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NOVODAMP® T060

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NOVODAMP® T075

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NOVODAMP® T100

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NOVODAMP® T125

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NOVODAMP® T150

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NOVODAMP® B300

NOVODAMP® Closed-Cell Polyurethane T300 is the premium solution for elastic support and vibration isolation in buildings, rail infrastructure, and mass-spring systems. Developed and manufactured in Germany under the strictest quality controls, NOVODAMP® ensures durable, reliable, and precisely engineered performance for demanding applications.



NOVODAMP® B600

NOVODAMP® Closed-Cell Polyurethane T600 is the premium solution for elastic support and vibration isolation in buildings, rail infrastructure, and mass-spring systems. Developed and manufactured in Germany under the strictest quality controls, NOVODAMP® ensures durable, reliable, and precisely engineered performance for demanding applications.



NOVODAMP® B1200

NOVODAMP® Closed-Cell Polyurethane T1200 is the premium solution for elastic support and vibration isolation in buildings, rail infrastructure, and mass-spring systems. Developed and manufactured in Germany under the strictest quality controls, NOVODAMP® ensures durable, reliable, and precisely engineered performance for demanding applications.

Product Characteristics

Elastic support and vibration isolation for buildings and rail infrastructure is an important factor in quietly improving our environment. All NOVODAMP® solutions are suitable for natural frequencies ≥ 8 Hz and up to a load-bearing capacity of 12 N/mm^2 (1740 PSI). Depending on shape factor, thickness and elasticity, the dynamic properties can be adapted to meet project demands.

Product Applications

- Protection against noise and vibration for rail tracks
- Vibration protection for buildings & building extensions

When designing with NOVODAMP®, the application and the associated load cases must always be considered, particularly the load combinations expected for each application. In buildings, for example, the load is normally characterized by high permanent static loads and low dynamic amplitudes. In the case of rail tracks, the load is characterized by low static load with a high dynamic component.



Elastomer NOVODAMP® technical specifications

elastomer-novodamp-technical-specifications.xlsx

NOVODAMP® general properties

Permissible horizontal deformation:	~ 40 % of material thickness*
Horizontal stiffness:	~ 35 % of vertical stiffness*
Mechanical loss factor:	< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)
Operating temperature:	-25 °C to 55 °C
Flammability:	Class E (DIN EN ISO 11925-2), B2 (DIN 4102-1)

Downloads



GERB NOVODAMP®
for Rail Isolation



GERB NOVODAMP®
for Building
Isolation



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