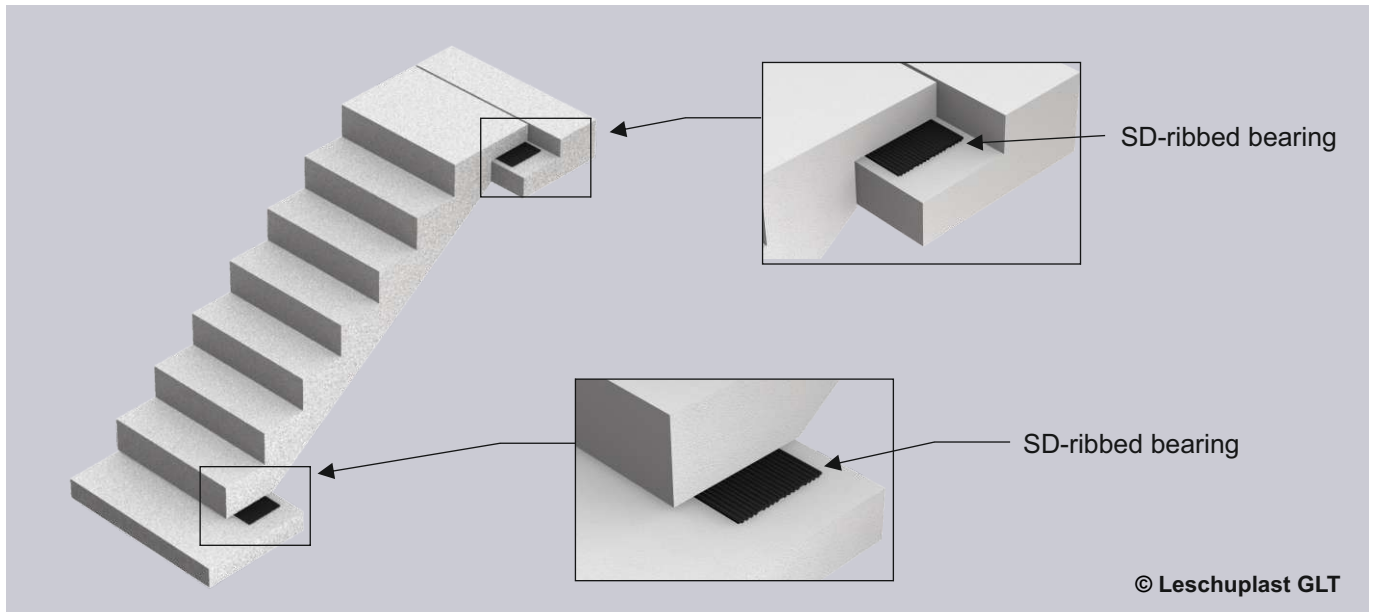


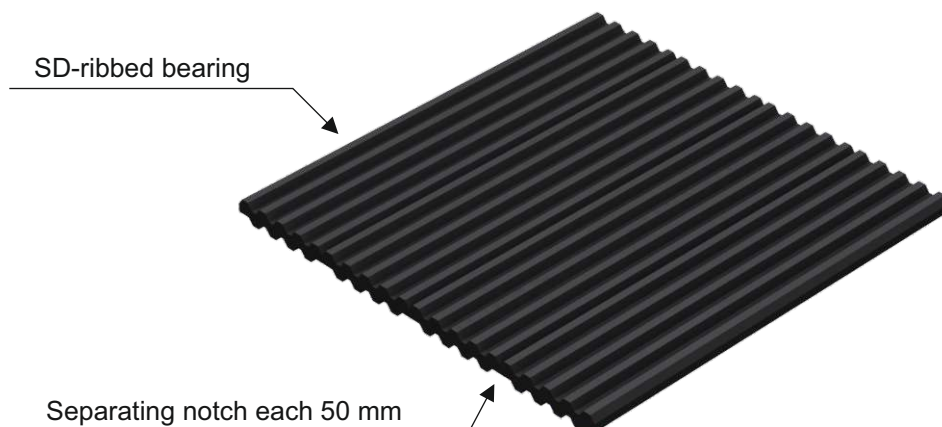
Sound damping of impact noise



SD-ribbed bearing

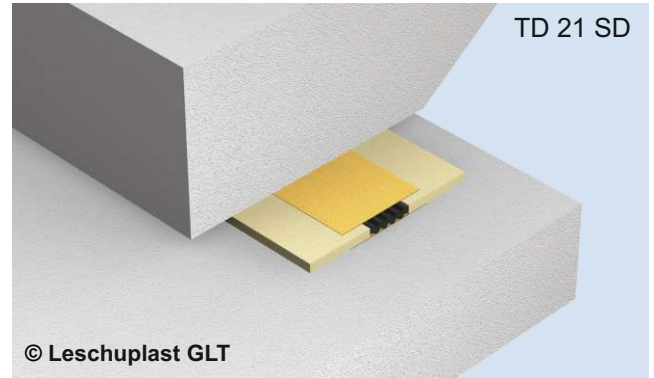
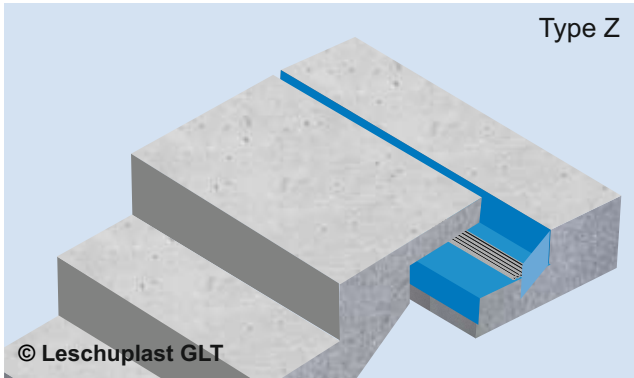
With test report for sound damping of impact noise. Sound damping bearing underneath flight of stairs, floors, joint stems etc. help to separate subsonic noise and impact sounds in residential buildings, offices and hospitals. Profiled, non-reinforced elastomer bearings are especially suitable in this case due to their soft absorption qualities.

A part from sound absorption, they also ensure a controlled load distribution and prevent excessive edge compression and spalling at the components. Improvement in evaluated impact noise protection is **at least 27 dB** for compressions between 0.1 and 1.0 N/mm² as compared to a rigid support. 31 dB is attained at 0.3 N/mm² compression.

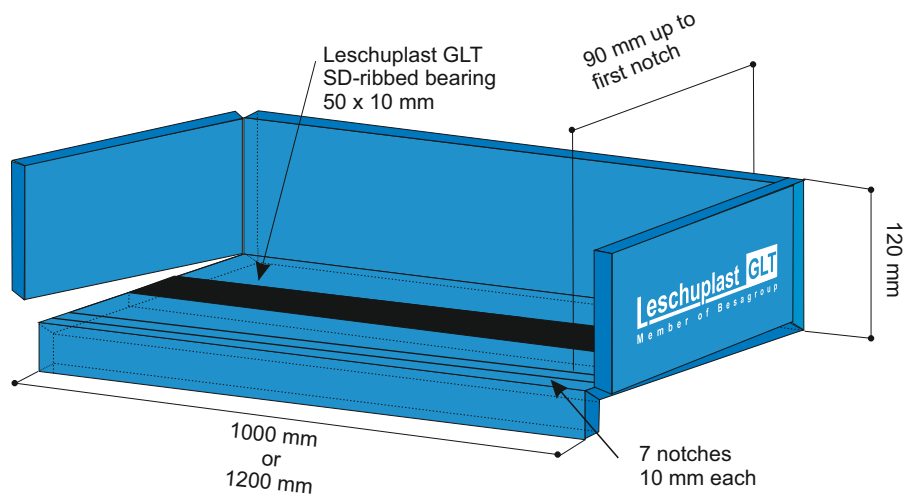


Supply: as roll 10 m long, 200 mm width or cutted on demand.
The profil is notched. This allows a separating in 50 or 100 mm wide stripes.

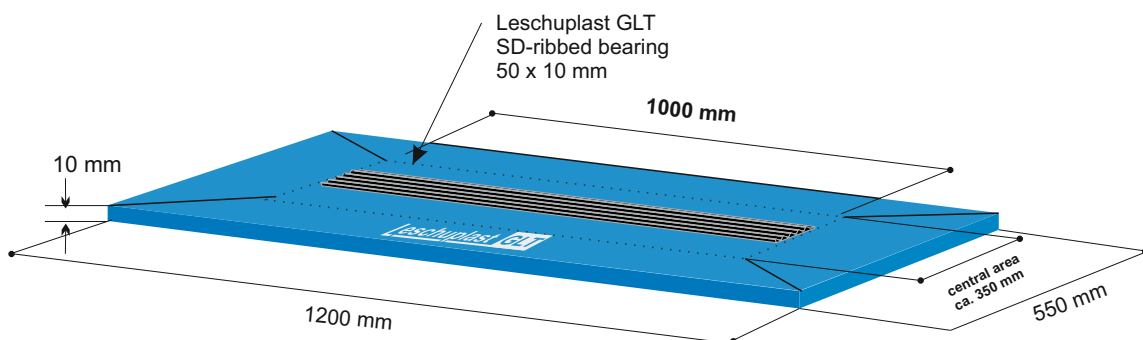
Sound damping of impact noise



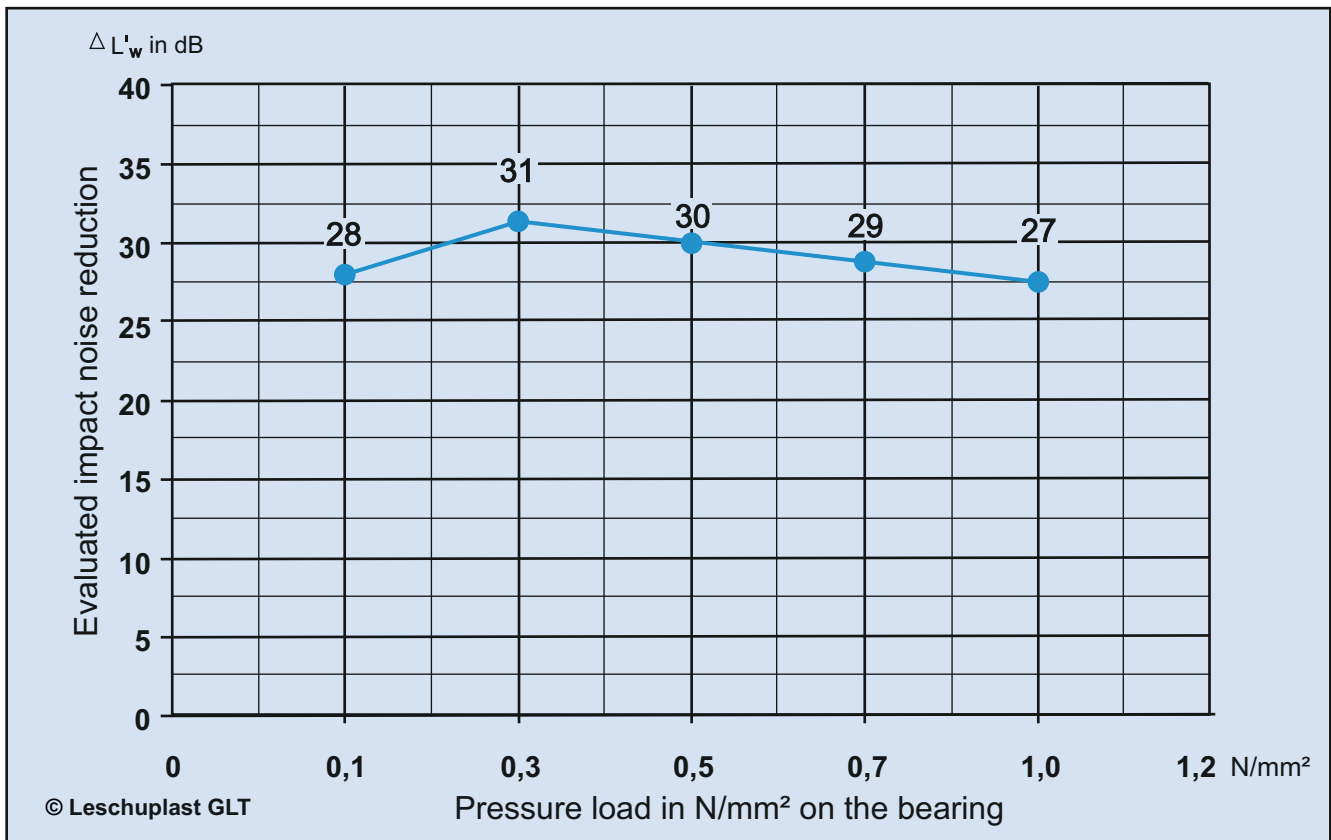
The sound damping elements type Z, type B and TD 21 SD include the high reduction of impact noise of the Leschuplast GLT SD-ribbed bearing and ensure, that no dirt reduces the function of sound damping. Caused by the notches type Z might be fitted to the situation on site easily. Not needed parts of the foam might be cutted of. Special dimensions might be produced on demand.



Sound damping element type B for stairs (350 x 1000 mm)



X Summary of sound damping test of the SD-ribbed bearing



The Leschuplast GLT SD-ribbed bearing can be used in a wide pressure load range from 0.1 N/mm² to 1.0 N/mm² due to excellent sound absorption properties. In this case, evaluated impact noise reduction of **at least 27 dB** is achieved. An evaluated impact noise reduction of 31 dB is attained with an optimum design at a pressure load of 0.3 N/mm².

Test report : Nr. 1440-001-13 on 24.04.2013
SG-Bauakustik, Institut für schalltechnische Produktoptimierung

Specification: sound damping bearing mm width, thickness 10 mm, with test report about an impact sound insulation up to 31 dB, supply and correct technical setting. Leschuplast GLT type SD-ribbed bearing

Specification: sound damping bearing mm width, thickness 10 mm, with sound damping core, width mm, with test report about an impact sound insulation up to 31 dB, supply and correct technical setting. Leschuplast GLT type TD 21 SD

Specification: sound damping bearing mm width, thickness 10 mm, with sound damping core, width mm, with test report about an impact sound insulation up to 31 dB, supply and correct technical setting. Leschuplast GLT type Z

Specification: sound damping bearing mm width, thickness 10 mm, with sound damping core, width mm, with test report about an impact sound insulation up to 31 dB, supply and correct technical setting. Leschuplast GLT type B