

## Product description

LD-13 is a self-adhesive damping sheet. The sheet is impregnated so that it does not absorb water and mineral oil.

## Application

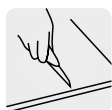
For damping vibrations in thin sheets of metal. Used, for example, in ducts, steel cupboards, furniture, washing machines, office machines and in vehicles and steel panels.

## Acoustic data

The material's sound damping properties are primarily based primarily on an increase in the loss factor of the overall construction. The loss factor is a measure of the vibrational energy converted into heat. If LD 13 is stuck to a 1 mm steel plate, the loss factor increases from about 0.001 to 0.1 or 0.2.

The loss factor is temperature dependent, as shown in the graphs to the right. Likewise, it is clear from the graphs that the loss factor is dependent on the frequency.

## Assembly



Cut with scissors or knife before removing the protective paper.



The underlay must be cleaned of dust, grease, moisture or other contaminants.

Attachment is easiest if the sheet is bent and attached along the shorter side first. LD-13 can be softened and shaped by gentle heating with a heat gun.

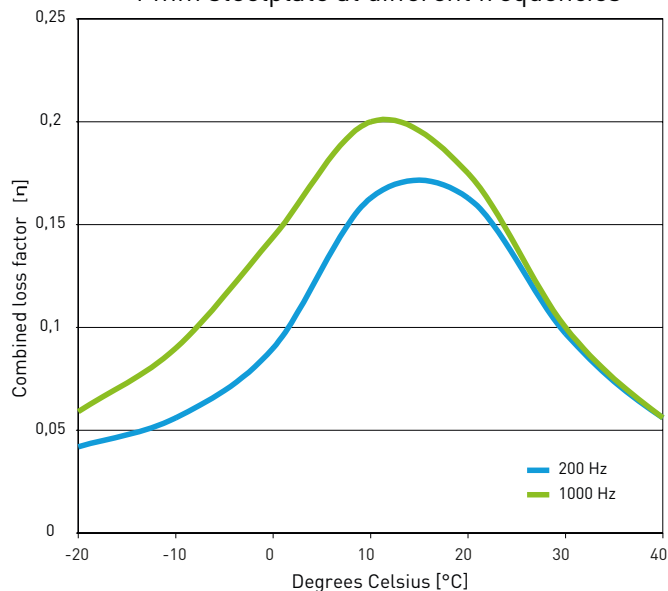
Press the sheet firmly into place and if necessary use a roll so that air bubbles are avoided (air bubbles degrade the damping). The items can put be under pressure to achieve better adhesion.

The underlay and sheet must be at room temperature (about 20 °C) prior to assembly.

Absorbent substrates such as untreated wooden boards should be primed with a contact adhesive type 555.



Loss factor for LD13 placed on a 1 mm steelplate at different frequencies



	Product data
Thickness	1.6 mm
Width	1.0 m
Length	1.02 m
Surface weight	1.6 kg/m <sup>2</sup>
Adhesiveness	15 N/cm <sup>2</sup> at 20 °C
Colour	Grey-black
Temperature range	-30 °C to +120 °C
Storage	Store at temperatures of 0 °C to 30 °C