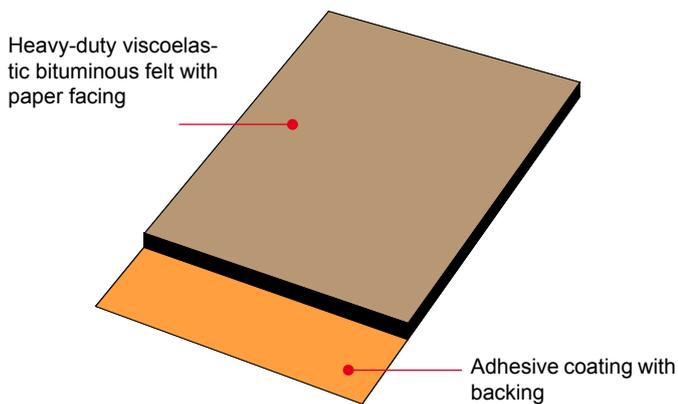


Cross Section



Close-up



Applications

- Ductwork
- Façade elements
- Machine jacketing
- Wash basins
- Motor vehicles
- Walls and doors
- Roller blind casings
- Bathtubs
- Acoustic cabins

Attributes

Idikell® M 4001/05 sheets are ideally suited for the damping of thin walled sheet metal housings.

Application

Substrates must be dry, oil-free and dust-free when the damping sheets are stuck to the surface. Full surface contact is necessary as is a substrate and sheet temperature of at least 20° C for the installation to achieve satisfactory results.

Remove the protective backing and firmly press the sheet on to the desired surface, eliminating air pockets, e.g. with a roller. The adhesive adheres immediately, but requires several hours to harden completely. Mechanical fastening is suggested for installation on overhead or vertical surfaces.

Do not allow Idikell® M 4001/05 to have direct contact with plasticizers or solvents.

Storage

Store in a dry area at temperatures ranging between 10 - 25° C.

Technical Data

Product Data	Idikell® M 4001/05
Damping factor at 200 Hz, 20° C on 1 mm steel sheet (DIN 53449)	0.30
Weight:	10 kg/m ²
Adhesive strength at 23° C, 22 hours	≤ 5 N/cm ²
Thermal stability:	-10 to + 80°C
Rated thermal conductivity λ	0.52 W/m ² K
Water vapour diffusion resistance factor μ	2.02 x 10 ⁴
Combustibility:	BKZ (Swiss fire code rating) 5.3

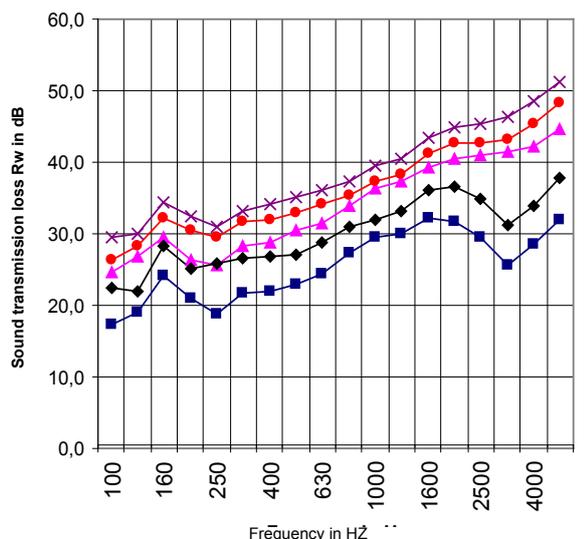
Packaging Unit and Form

Sheet size: 1000 x 500 mm,
Sheet thickness: 5 mm
150 sheets/palette = 75 m²

Cut to order sheets:

Keller will be glad to cut sheets to specific size requirements indicated in customer plans or drawing files for both small and large orders. Ask for a price quote.

Soundproofing



Improvement in the soundproofing of gypsum boards against airborne noise

1. 12.5 mm gypsum board
Sound transmission loss $R_w = 27$ dB (—■—)
2. 2 x 12.5 mm gypsum boards
Sound transmission loss $R_w = 32$ dB (—◆—)
3. **Idikell® M 4001/05**, 10 kg/m²,
12.5 mm gypsum board
Sound transmission loss $R_w = 35$ dB (—▲—)
4. **Idikell® M 4001/05**, 10 kg/m²,
2 x 12.5 mm gypsum boards
Sound transmission loss $R_w = 38$ dB (—●—)
5. **Idikell® M 4001/05**, zweilagig, 20 kg/m²,
x 12.5 mm gypsum boards
Sound transmission loss $R_w = 40$ dB (—x—)

Keller will be glad to provide you with other examples of how **Idikell® M 4001/05** products can be used in building construction.

Keller Lärmschutz AG provides its assistance, application-specific advice and product use instructions to the best of its knowledge and ability. Keller Lärmschutz AG reserves the right to make the changes to its products and information, which are the result of its constant efforts to improve both the information and products, and shall not be held liable for damages occurring due to the information or assistance it provides. Moreover, the information provided by Keller Lärmschutz AG shall not nullify the responsibility of the purchaser of the products to test the suitability of the materials for the intended application, process and purpose prior to using them.