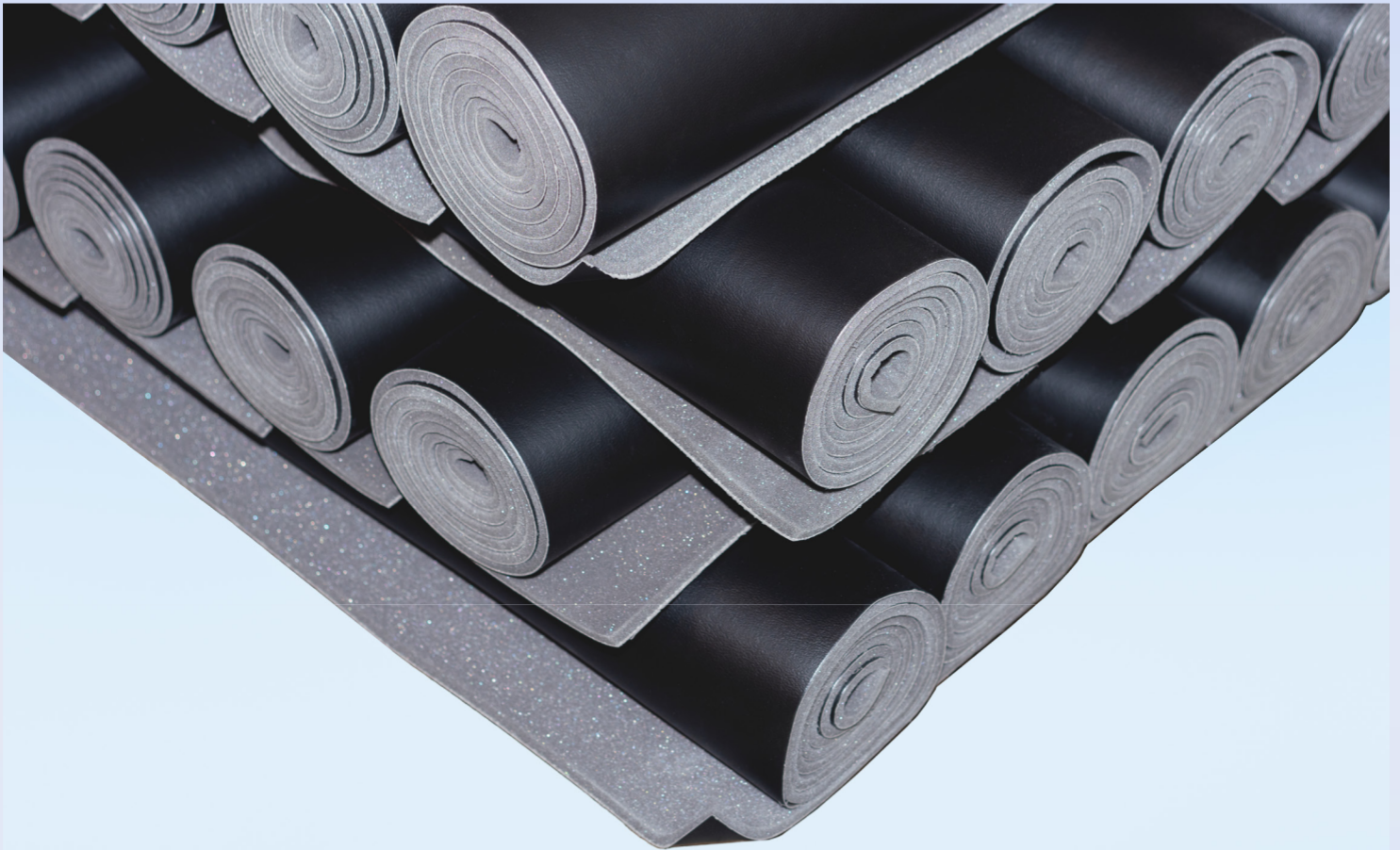


NORDISK AKUSTIK A/S



Sound barrier insulation

BM0060/0070/1095

BM2055/85

BM0060/0070/1095 are used for sound insulation of existing panels of metal, wood, plastic etc. Are qualified at all frequencies. BM2055/85 are used for insulation of machines, engines, walls of metal, plastic, wood etc. Are particularly qualified for sound damping of frequencies from 400 Hz.

BM0060 heavy sound insulating mat

6 kg/m², 2,4 mm. thick
size 1250 x 3000 mm.
Art. no. 109620

BM0070 heavy sound insulating mat

7,5 kg/m², 5 mm. thick
size 1000 x 1250 mm.
Art. no. 100430

BM1095 heavy sound insulating mat

15 kg/m² with jute bottom, 8 mm.
thick size 1250 x 1500 mm. Art. no.
103900

BM2055 heavy sound insulating mat with absorbent distance keeper

7,5 kg/m², 14 mm. thick
size 1250 x 3350 mm.
Art. no. 104410

BM2085 heavy sound insulating mat with absorbent distance keeper

5 kg/m², 13 mm. thick
size 1250 x 3000
mm. Art. no. 102600

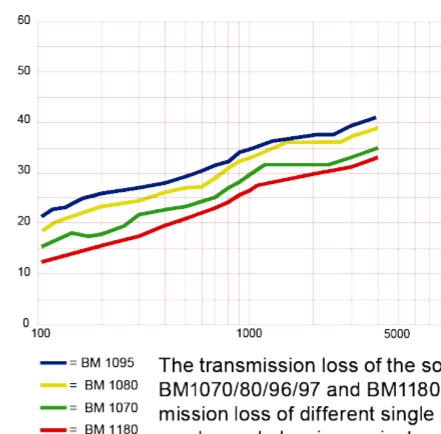
Applications:

The selection and the application of the best suitable qualities require careful consideration. Following simple, acoustical rules should be noted as instructions when selecting:

1. To achieve the most possible noise insulation, it is necessary to treat the whole surface, which separates the noise source and the area under consideration. The effectivity of the noise barrier will be reduced highly of even small gaps. The Revac sound barrier mat must be mounted with care. Punched or molded products are used, when the form of the structure is complex.
2. An effort should be done to double the weight, when the barrier mat is supplied to the surface, which is to be insulated.
3. Where only improvements is required of the insulation of the sheet in the middle and highest frequency - over 400 Hz - a sound barrier mat with a distance keeper will be found most effective. Where improvement of the insulation under 400 Hz is required, single layer barrier mats should be used, like BM0060, BM0070 and BM1095.
4. The products fulfill fire norm FMVSS-302
Max temperature from +80°C degrees to +100°C degrees

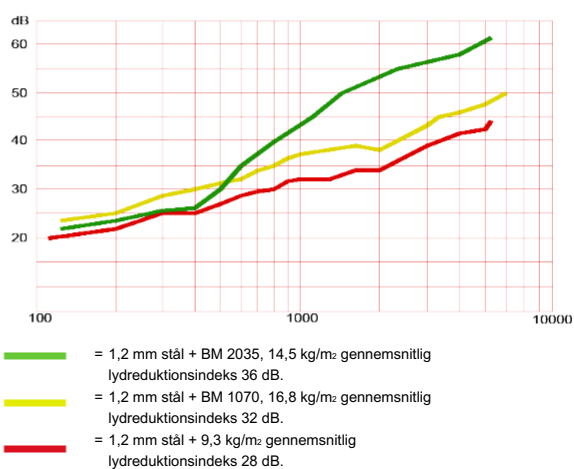
Revac sound barrier mat contain heavy fillers based on five different polymers.

Transmission loss in dB



The transmission loss of the sound barrier mats in BM1070/80/96/97 and BM1180. Shows the transmission loss of different single mats, when they are used as sole barrier against noise. The tests are performed by an independent laboratory based on I.S.O. R140 test method.

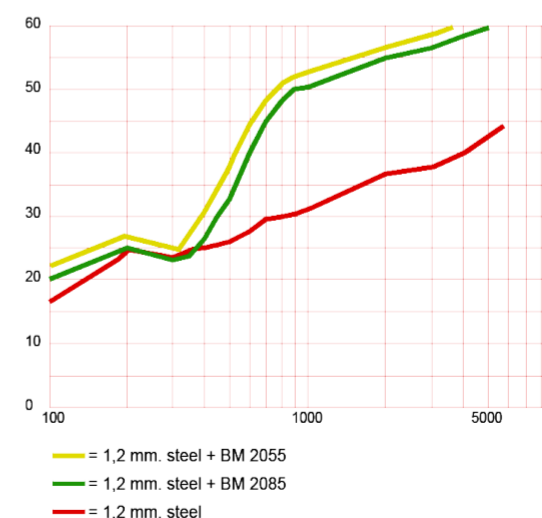
Transmission loss in dB



— = 1,2 mm stål + BM 2035, 14,5 kg/m² gennemsnitlig lydreduktionsindeks 36 dB.
— = 1,2 mm stål + BM 1070, 16,8 kg/m² gennemsnitlig lydreduktionsindeks 32 dB.
— = 1,2 mm stål + 9,3 kg/m² gennemsnitlig lydreduktionsindeks 28 dB.

Improvement in the sound insulation of steel with BM2035, BM2055, BM2085 sound barrier mats. Shows the difference between the effectiveness of single lay-er mats with distance keeper. The use of distance keeper is obvious by the large increase of the high frequency insulation, which a Revac BM2035 gives. For comparison it can be calculated that to give the 19 dB's increase, which the mat with distance keeper shows at 2 kHz, a single layer mat at 80 kg/m² is required.

Transmission loss in dB



— = 1,2 mm. steel + BM 2055
— = 1,2 mm. steel + BM 2085
— = 1,2 mm. steel

All information and instructions for use of products is based on experiments, tests and practical experience. However, they should be treated as general guidelines only. Local conditions and other used materials may influence end results. Nordisk Akustik A/S accept no responsibility for the results achieved when our products are used, as the conditions under which work is carried out is beyond our control.