

PRODUCT DESCRIPTION

- 6 mm thick impact sound insulation foam with laminated vapor barrier and self-adhesive overlap

APPLICATION

- Is additionally laid on top of the thermotec® thermal insulation as both impact sound insulation and vapor barrier in one

PROCESSING

- Lay thermotec® acoustic system mat directly on thermotec® insulation
- Thanks to the width of 125 cm and the self-adhesive overlap strip, high installation performance is possible with minimal additional costs (hardly any adhesive tape required)

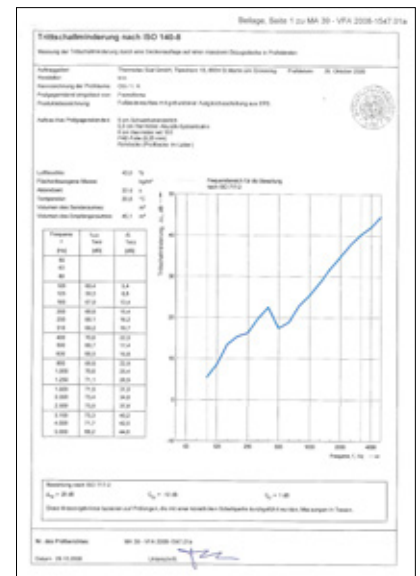
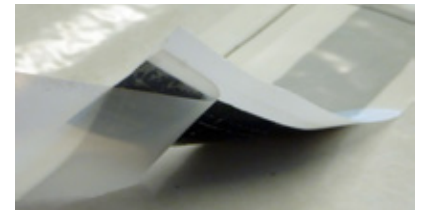
SYSTEM CONSTRUCTION

- E.g.: thermotec® BEPS-WD 70N (80 mm) + thermotec® acoustic system mat (6 mm) + cement screed (70 mm)
- This floor structure achieves an impact sound improvement of 28 dB. (For insulation material aging, a reduction of 2 dB should be considered)
- If the screed thickness is reduced to 50 mm, the impact sound improvement value decreases by 1 to 2 dB.
- For specialized floor constructions, please feel free to contact us.

TECHNICAL DATA

Acoustic system mat

Product composition/material	Extruded polyethylene foam, closed-cell with film lamination, 100 % HFCKW- and HFKW-free
Length	40 m
Width	1,25 m
Thickness	6 mm
Design	Roll version with adhesive tape
Packaging	Roll packed in PE-bag
General technical approval/ General type approval	Z-23.21-2141
Nominal value of thermal conductivity λ_D	0,045 W/(mK)
Equivalent air layer thickness - sd-value	≥ 100 m
Temperature resistance long-term	80 - 85 °C
short-term	90 °C
Reaction to Fire according EN 13501-1	E
Dimensional stability at +40 °C	< 10 %
Thickness tolerance (acc. ÖN EN 13163)	± 1 mm
Length tolerance (acc. ÖN EN 13163)	-1 %; + °°
Width tolerance (acc. ÖN EN 13163)	$\pm 0,6$ %
Leakage test (gem. DIN 16726)	Leakproof
Dynamic stiffness	≤ 115 MN/m ³
Impact sound reduction $\Delta L_{w, R}$	14 dB
Compressibility	≤ 1 mm



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