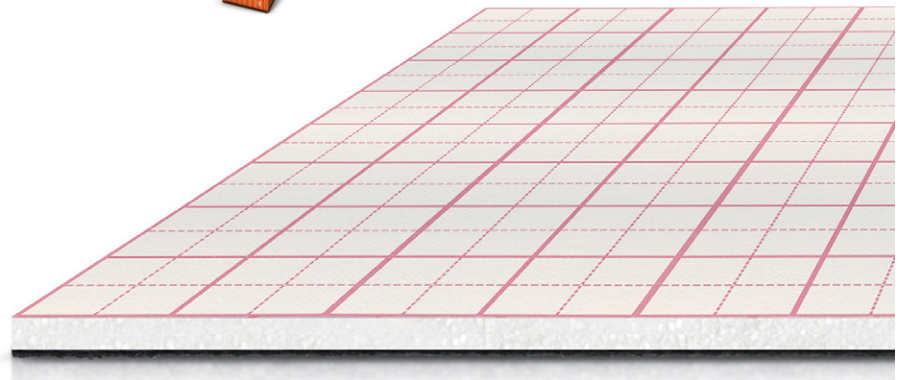
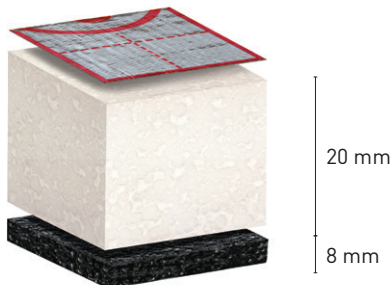


Multilayer plane acoustic board Flat-dB-w 28



Quantity per 40' HC container
2.304 m²



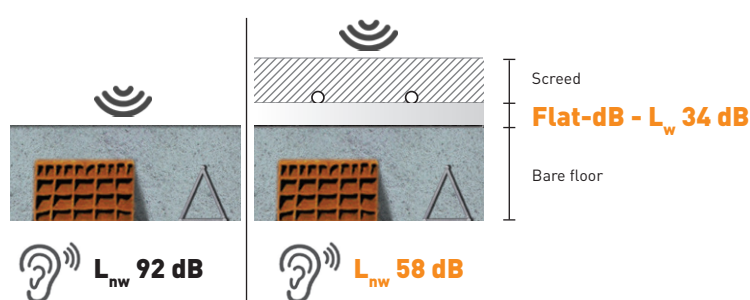
Insulation plate tacker panel Flat-db-w 28 made of expanded polystyrene EPS, declared thermal conductivity λ 0,034 W/mK (EN 13163; EN 12667). The insulation panel is coated on the underside with a granulated SBR-rubber sheath to give exceptional acoustic performances. The upper side of the panel

is laminated with high tear-resistant fabric-reinforced foil made of aluminized polyethylene (DIN EN 1264-4), with printed grid spacing 50 mm. The foil is one side overlapped appr. 30 mm to allow a safe junction of the boards and avoid concrete infiltration.

Description	High performance acoustic board: flat-dB-w 28
Panel dimension (surface)	2000 x 1000 mm [2 m ²]
Total thickness	28 mm (20 mm insulation board + 8 mm acoustic layer)
Pipe diameter	16 ÷ 20 mm
Pipe distance grid	Multiples of 50 mm
Material	Expanded polystyrene coupled to a rubber fibre sheath
Density	150 kPa
Heat conduction l_0	0.034 W/mK
Reaction to fire	Euroclass F
Thermal resistance R_0	0.59 m ² K/W

Acoustic insulation

Nominal thickness	8 mm
Dynamic stiffness (s') of the acoustic insulation	36 MN/m ³ (UNI EN 29052/1)
Dynamic stiffness for dry application	19 MN/m ³ (UNI EN 29052/1)
Impact Sound Level attenuation (ΔL_w). Difference between impact noise levels of a beam and hollow block floor (bare and with the insulation layers)	34 dB (UNI EN ISO 10140)
Normalised indoor sound pressure level ($\Delta L_{n,w}$) without covering	58 dB
Resistance factor to the spread of water vapour (μ)	10
Fire resistance	Euroclass F



The system tested allows to reach L_{nw} values equal to 58 dB (screed), starting from L_{nw} = 92 dB of the bare floor, with noise attenuation of 34 dB.