



Test facility for floors P8

Measurement	Normalized impact sound pressure level, Impact sound insulation, sound insulation, shaft sound pressure level difference
Standard	DIN EN ISO 10140, DIN 52210-6
Measuring objects	Lightweight roof and floor constructions, screed and floor coverings on timber, floating floors, floor coverings, floor coverings on floors with floating screed, suspended ceilings for timber floors, ventilation ducts / ventilation shafts
Technical data	
Installation surface area (L x W)	5,00 m x 4,00 m
Installation height	variable
Room volume	70,6 m ³ (EG) 50,0 m ³ (UG)
Entrance doors (H x W)	2,00 m x 0,83 m (EG) 2,02 m x 0,96 m (UG)
Floor area and max. size of the test samples	20 m ²
Max. sound reduction (related to the max. size of test sample)	$R'_{\max,w} = 69$ dB

More information

- Circular brackets allow the mounting of individual floor components.
- Additional lining for suppression of flanking transmission in the source room and receiving room.
- Timber joist floor of type 1 (DIN EN ISO 10140) available
- Apart from the impact sound in the receiving room the noise generated in the sending room (walking sound) can be measured and weighted.
- Pneumatically movable loudspeaker in the source room.
- Compressed air and electric power available.

Vertical section of the test facility (dimensions in cm)

