



Door test laboratory PT

Measurement	Sound insulation, Normalized sound level difference
Standard	DIN EN ISO 10140
Measuring objects	Doors, door leaves, framed doors, ventilation elements, panels, joint sealing, elements

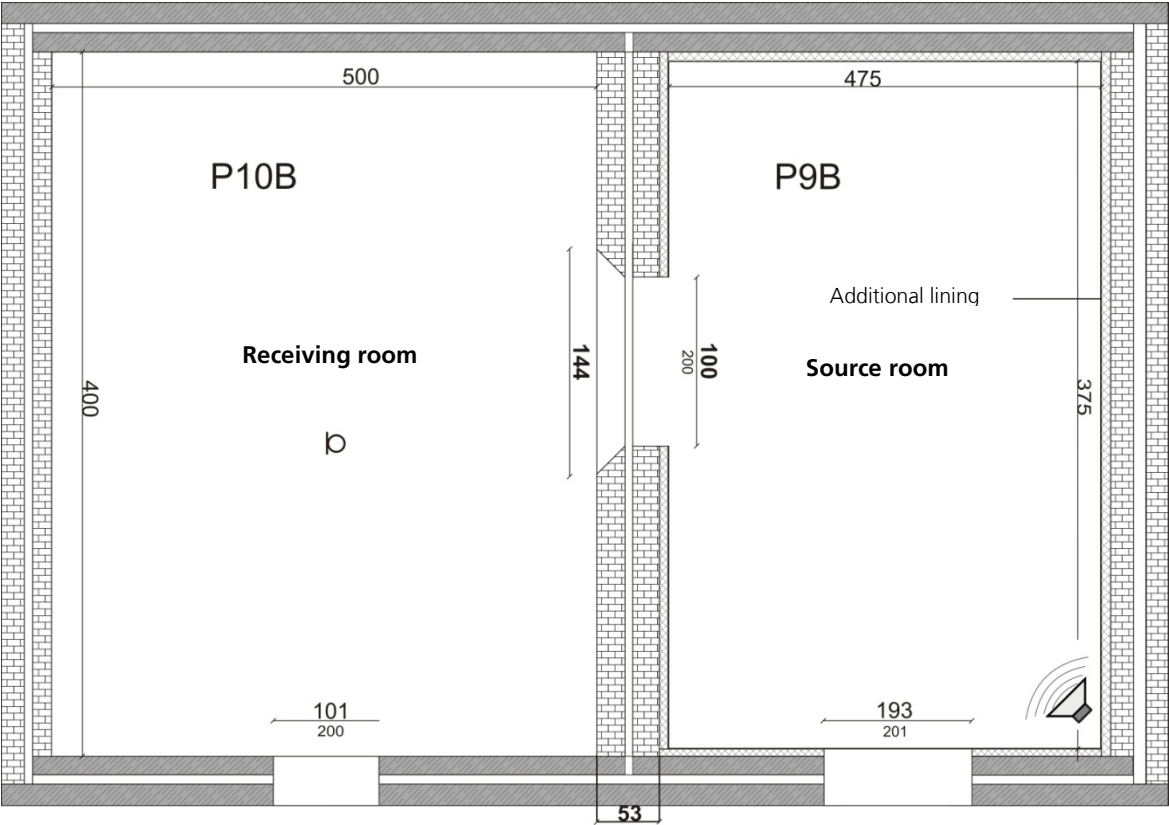
Technical data

Room volume	Source room: 55 m ³ Receiving room: 61 m ³
Entrance doors (H x W)	Source room: 1,99 m x 0,84 m Receiving room: 2,05 m x 1,89 m
Dimensions of test opening (H x W)	2,00 m x 1,00 m
Max. size of test samples (H x W)	1,985 m x 0,985 m
Max. sound reduction (related to the max. size of test sample)	$R_{\max,w} = 70$ dB

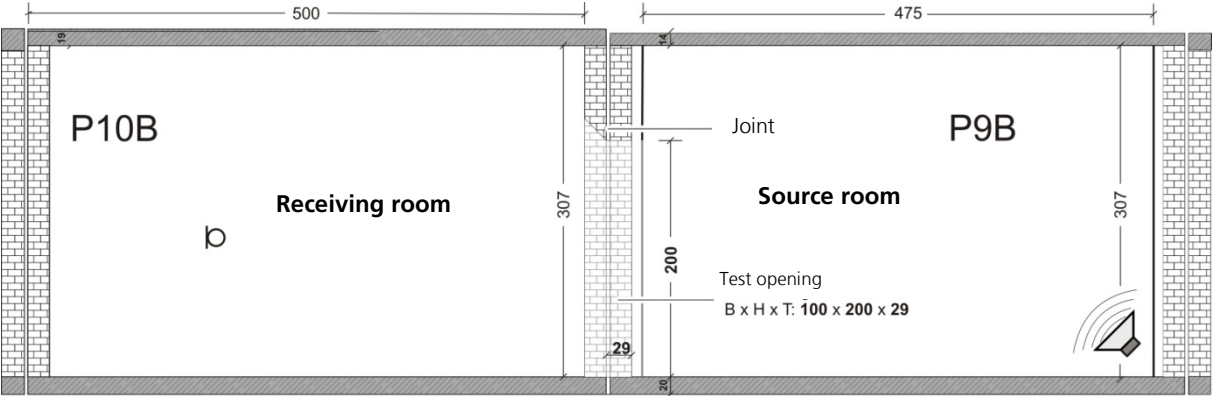
More Information

- Highly sound absorbing double-leaf solid partition between source room and receiving room
- Additional lining for the suppression of flanking transmission in room P9
- Elements with smaller size will be framed by a multi-layer panel construction with high sound insulation.
- Compressed air and electric power available

Floor plan of test facility (dimensions in cm)



Vertical section of test facility (dimensions in cm)



The test laboratory of the Fraunhofer IBP has been granted flexible accreditation according to DIN EN ISO/IEC 17025 by Deutsche Akkreditierungsstelle GmbH (DAkkS).