



## Test Facility for Facades, Windows and Doors P9/P10

<b>Measurement</b>	Sound insulation
<b>Standard</b>	DIN EN ISO 10140
<b>Measuring objects</b>	Facade elements, windows, glazing units, panels, doors, large elements

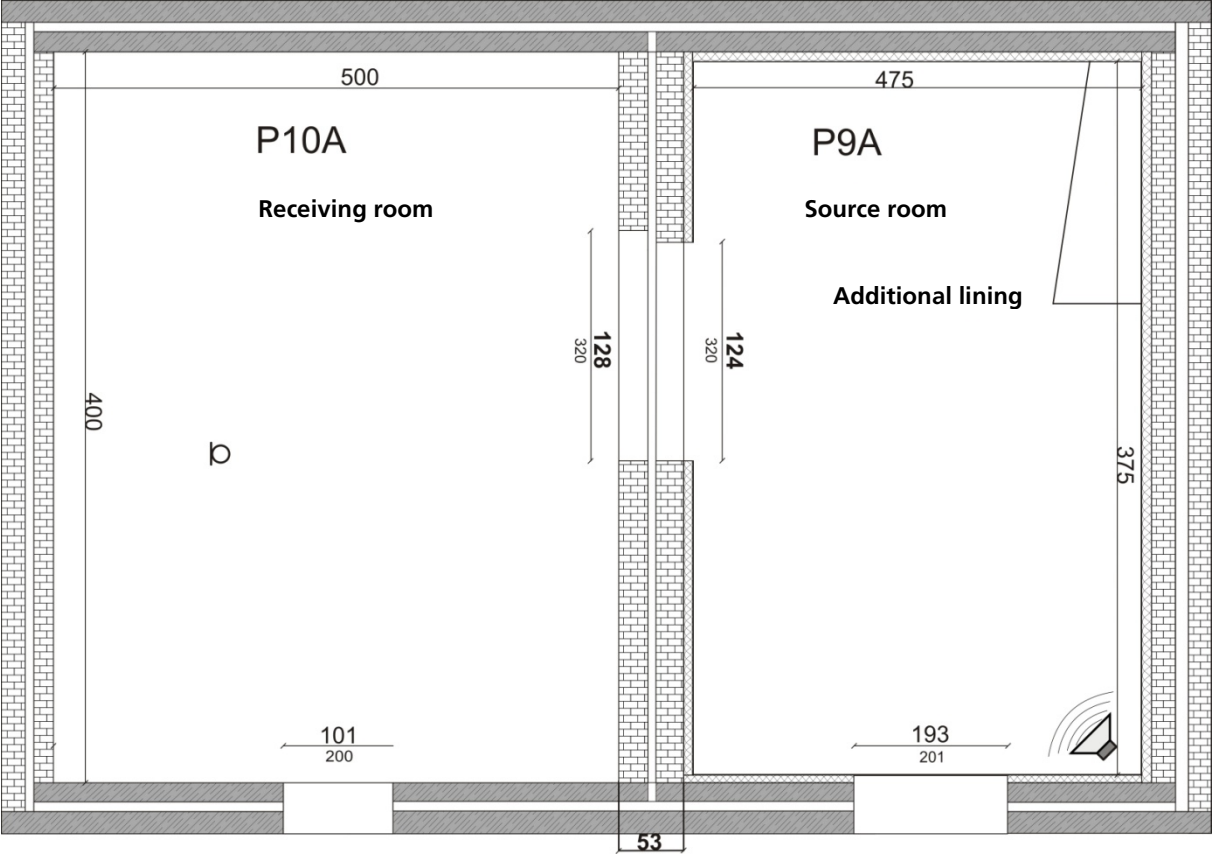
### Technical data

Room volume	P9 A (source room): 62 m <sup>3</sup> , P10 A (receiving room): 70 m <sup>3</sup>
Entrance door (H x W)	P9 A: 2,05 m x 1,91 m P10 A, receiving room: 1,95 m x 0,83 m
Dimensions of test opening	3,20 m x 1,24 m
Max. size (H x W) of test samples	3,18 m x 1,24 m (blunt installation) or smaller
Max. sound reduction (related to the max. size of test sample)	$R_{\max,w} = 73$ dB

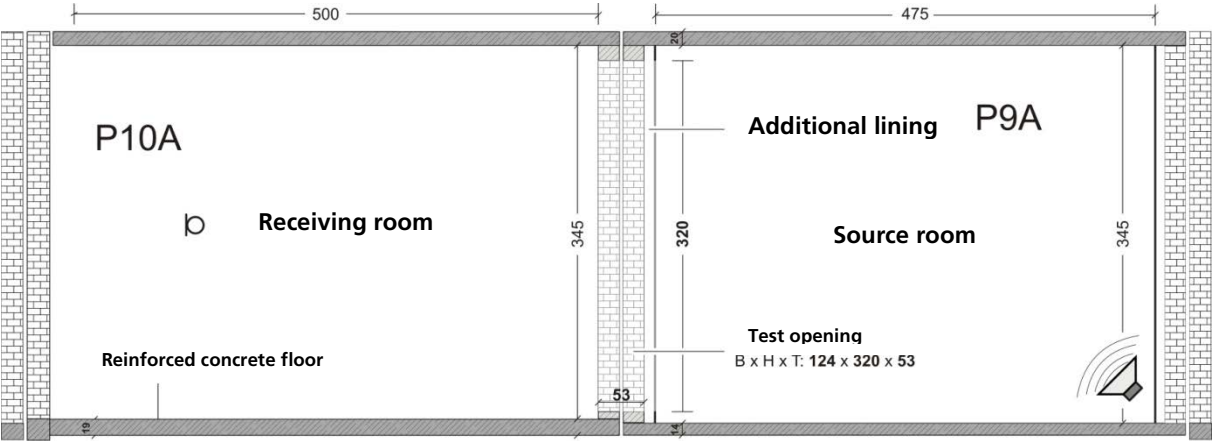
### More information

- Highly sound absorbing double-leaf solid partition between source room and receiving room
- Elements with smaller size will be framed by a multi-layer panel construction with high sound insulation.
- Larger elements can be tested in other facilities.
- Pneumatically movable loudspeaker in the source room and receiving room
- Compressed air and electric power available

**Floor plan of test facility (dimensions in cm)**



**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).