Wall Test Laboratory P6
with suppressed flanking transmission

**Measurement**
Sound insulation, normalized flanking impact sound level, normalized flanking level difference

**Standard**
DIN EN ISO 10140, DIN EN 1793-2, DIN EN ISO 10848

**Measuring objects**
Walls, movable walls, glass partitions, noise barriers, lightweight walls cavities, access floors, roofs

**Technical data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tr>
<td>Room volume</td>
<td>51 m³ und 63 m³</td>
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<tr>
<td>Entrance doors (H x B)</td>
<td>1,99 m x 0,82 m und 2,06 m x 1,93 m</td>
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<td>Dimensions of test opening (H x B)</td>
<td>2,93 m x 3,67 m</td>
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<td>Test surface area</td>
<td>10,75 m²</td>
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<td>Max. sound reduction (related to the max. size of test sample)</td>
<td>R(_{\text{max,w}}) = 77 dB</td>
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**More information**

- Suppression of flanking transmission by additional lining in front of the flanking walls, of the ceiling and the rear wall of the receiving room.
- Maximum sound insulation of a massive wall (mass per unit area \(m’’ = 496 \text{ kg/m}^2\)) with additional lining on both sides \(R_{\text{max,w}} \geq 75 \text{ dB}\) and lightweight wall and additional lining \(R_{\text{max,w}} \geq 77 \text{ dB}\)
- Halved-rails for quick and easy installation of movable wall systems
- Pneumatically movable loudspeaker in the source room.
- Compressed air and electric power available.

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