Facade Test Laboratory P1

**Measurement**
Sound insulation, Normalized flanking level difference

**Standard**
DIN EN ISO 10848, DIN EN ISO 10140

**Measuring objects**
Facade elements, prototypes including installations, noise barriers (gabions etc.), exterior building elements

**Technical data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
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<tbody>
<tr>
<td>Room volume</td>
<td>71 m³ und 87 m³</td>
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<tr>
<td>Entrance doors (H x W)</td>
<td>1,99 m x 0,86 m and 2,02 m x 0,95 m</td>
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<tr>
<td>External opening (H x W)</td>
<td>10,30 m x 3,53 m (max. 3,65 m)</td>
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<td>Max. sound reduction (related to the max. size of test sample)</td>
<td>$R'_{\text{max},w} = 71 \text{ dB}$</td>
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**More information**

- Delivery and direct installation of large test samples via Truck-mounted crane
- Access to the test facility at ground level and passable.
- Rolling gate to close the test opening (weather protection)
- Installation of large-size facade elements in front of the test opening (also horizontal) is possible.
- Glass installation accumulator vacuum for large-size glazing units with adequate lifting device at a forklift is available.
- 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).
Horizontal section of the test facilities with high-quality sound insulating partition (dimensions in cm)

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