Rain Noise Test Laboratory P7

**Measurement**
Rain noise level

**Standard**
DIN EN ISO 140-18

**Measuring objects**
Roofs, roof constructions and elements, skylights, roof and dome lights, membrane roofs, systems for rain noise reduction, films, components of vehicle envelopes, domed roof lights

**Technical Data**

| Installation frame (according to standard) | 3,71 m x 2,71 m (roofs); 1,5 m x 1,25 m (skylights) |
| Slope angle | 5° (roofs) and 30° (skylights) |
| Room volume | 100 m³ and 50 m³ |
| Entrance doors (H x W) | 2,05 m x 1,91 m |

**More Information**

- According to the standard, installation of test specimens with a surface area of 2.71 m x 3.71 m as well as smaller test specimens with a surface area of 1.25 m x 1.50 m is possible.
- The installation opening can be adjusted to test specimens with irregular shape (maximum dimensions 3.71m x 2.71 m).
- Simulated rain as heavy rain (rainfall 40 mm/h) according to standard or variable rainfall is possible.
- In addition, rainfall and impact speed of the rain drops is adjustable.
- Airborne sound insulation of installed test samples can be determined
- 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).
The test laboratory of the Fraunhofer IBP has been granted flexible accreditation according to DIN EN ISO/IEC 17025 by Deutsche Akkreditierungsstelle GmbH (DAkkS).