



## Principle

We offer a new and modern laboratory for the measuring of the airborne sound absorption of doors and door leaves on the test stand according to EN 20140-3.

## Laboratory equipment

- the most modern laboratory equipment of the company Norsonic-Tippkemper
- variable test ports for the sound measuring of door elements
- wall openings of 1015 x 2005 up to 2700 x 2700 mm following to DIN 4172
- planned, measured and regularly checked by foreign people of the ift Rosenheim

## Performances

- Orientation measuring of the airborne sound absorption of components in test stands according to EN 20140-3
- Evaluation of the sound absorption according to EN ISO 717-1
- Planet journal or Planet test report

## For your...

- New developments
- Measurements for material selection
- Measuring series
- Supervision of quality and products
- Preliminary tests (with extremely interesting conditions)

## For your...

by means of the **ift Rosenheim** in the sound laboratory at Planet:

- Recognized test and evaluation (CE and building supervision) incl. ift test proof with cooperation of the ift Rosenheim as international accredited (DAP-PL-0808.99; BAY18) and European quoted authority (NB0757)

Certificate



Modern laboratory for the measuring of the airborne sound absorption of doors and door leaves on the test stand according to EN 20140-3.



## Technical Data Sheet

Designed as 'room in the room' the sound laboratory is acoustically disconnected from all the other parts of the building and thus fulfils the requirements according to EN ISO 140 (test stands without indirect path transmission resp. with suppressed sound indirect path effects). The separation joint between the rooms is 5 cm large.

### The test rooms show the following clearances / clear widths:

- **Studio:**  
Height 294 m, width 5,30 m, depth 6,43 m, resulting in a studio transmitter volume of 100 m³
- **Reception room:**  
Height 2,78 m, width 4,82 m, depth 3,80-5,58 m (oblique), resulting in a studio transmitter volume of 62,8 m³. ZA door test opening is installed between the test rooms, dimension 2,7 x 2,7 m it can be reduced in size into screens by means of a flexible wall system.

### Our performances:

- Informative measuring of the airborne sound absorption of components in test stands according to EN 20140-3
- Evaluation of the sound absorption according to EN ISO 717-1
- Planet protocol

		Height in mm					
		2005	2130	2255	2380	2505	2700
Width in mm	1015	X	X	X	X	X	X
	1140	X	X	X	X	X	X
	1265	X	X	X	X	X	X
	1390*	X	X	X	X	X	X
	1515*	X	X	X	X	X	X
	1640*	X	X	X	X	X	X
	1765	X	X	X	X	X	X
	1890*	X	X	X	X	X	X
	2015	X	X	X	X	X	X
	2700*					☒	☒

- ☒ special fastening
- maximum wall opening dimension 2700 x 2700 mm
- possible for double swing doors
- \* without aluminum base plate

## Contact

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