

Product Description

The LUX ELEMENTS®-TUB-TSM impact sound insulating mats are made of a PUR elastomer compound.

<i>Impact sound insulating mat</i>	<i>Dimensions [Length x width x height]</i>	<i>Weight [kg/m²]</i>
LUX ELEMENTS®-TUB-TSM 6	1250 x 1250 x 6 mm	1,8
LUX ELEMENTS®-TUB-TSM 12	1250 x 1250 x 12 mm	2,7

Applications

LUX ELEMENTS®-TUB-TSM is integrated into the overall system configuration to improve the technical noise characteristics of the LUX ELEMENTS®-TUB shower bases.

The requirements for the necessary sound insulation and recommendations for increased sound insulation according to DIN 4109, VDI 4100 and the Swiss SIA 181 standard can be met with the LUX ELEMENTS®-TUB-TSM (see table).

Recommended use

- LUX ELEMENTS®-TUB-TSM should be cut to size with a pair of scissors. Use of a cutter is not recommended!
- The impact sound insulating mat is basically laid loosely. The position in the overall set-up can be found in the table or corresponding test reports.
- The shower base set-up is to be uncoupled all-round using the edge insulation strips. The piping is to be uncoupled from the substrate element or screed using pipe insulation and /or mineral wool.

Technical Specification

Rated impact sound insulation according to DIN EN ISO 717-2

LUX ELEMENTS®-TUB-TSM 6	21 dB	as per PZ - No. 217175-01.04
LUX ELEMENTS®-TUB-TSM 12	27 dB	as per PZ - No. 217175-01.05

LUX ELEMENTS®-System	Schematic set-up (layer sequence from top to bottom)	Installation sound level	Evaluation level of the functional noises	
		DIN 4109 & VDI4100*	SIA 181 (KGN)	SIA 181 (Tapping machine)
TUB /TUB-LINE shower base with substrate element	- TUB /TUB-LINE shower base - COL-AK fixing adhesive - TUB-U substrate element - Horizontal floor drain - TUB-TSM 6 Impact sound insulating mat as per PZ - No. 217175-01.01	26 dB(A)	18 dB(A)	41 dB(A)
TUB /TUB-LINE COMBI shower base	- TUB /TUB-LINE COMBI shower base with integrated horizontal floor drain - COL-AK fixing adhesive - TUB-TSM 6 Impact sound insulating mat as per PZ - No. 217175-01.03	27 dB(A)	22 dB(A)	43 dB(A)
TUB /TUB-LINE shower base with substrate element	- TUB /TUB-LINE shower base - COL-AK fixing adhesive - TUB-U substrate element - Horizontal floor drain - TUB-TSM 12 Impact sound insulating mat as per PZ - No. 217175-01.02	24 dB(A)	17 dB(A)	40 dB(A)

* With a receiving room volume of approx. 31 m³, this is also the value for the standard sound pressure level according to VDI 4100

The relevant recommendations and guidelines, as well as DIN regulations, European standards and safety datasheets are to be observed. The recognised architectural and technical rules apply. We accept liability for the perfect quality of our products. Our processing recommendations are based upon trials and practical experience; they can, however, be no more than general instructions without assurance as to their quality, since we have no influence on the site conditions, on the execution of the work and the processing. With the issuing of this product datasheet previous versions cease to be valid.

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