

Product Description

The LUX ELEMENTS®-TUB-TSM impact sound insulating mat made from PUR-bonded rubber granulate, colour black.

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.

Recommended use

- The LUX ELEMENTS®-TUB-TSM can be cut using a cutter.
- 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

LUX ELEMENTS - System	Schematic set-up (layer sequence from top to bottom)	Installation sound level	Installation sound level	Evaluation level of the functional noises	Evaluation level of the functional noises
		DIN 52219 Normal shower	DIN 52219 Massage shower	SIA 181 KGN	SIA 181 EMPA
TUB-MQ 900 without substrate element	TUB-MQ shower base COL-AK mortar, dotwise vertical drain without impact sound insulating mat TUB-TSM as per PZ - No.208158-01.01	29 dB(A)	36 dB(A)	35 dB(A)	53 dB(A)
TUB-MQ 900 with substrate element	TUB-MQ shower base TUB-UMQ, full surface TUB-TSM, 6 mm, laid loosely Horizontal drain as per PZ - No.208158-01.04	20 dB(A)	27 dB(A)	24 dB(A)	43 dB(A)
TUB-MQ 900 without substrate element	TUB-MQ shower base Screed TUB-TSM, 6 mm, laid loosely Horizontal drain as per PZ - No.208158-01.02	22 dB(A)	27 dB(A)	24 dB(A)	42 dB(A)
TUB-LINE with substrate element	TUB-LINE shower base Screed TUB-TSM, 6 mm, laid loosely Horizontal drain as per PZ - No.208158-01.03	21 dB(A)	30 dB(A)	22 dB(A)	41 dB(A)

The installation noises (water impact noises) were determined as per DIN 52219 "On-site measurement of noise emitted by water supply and drainage systems", issue July 1993. In addition the function and user noises are determined as per SIA 181 "Noise protection in building construction", Issue September 2006 (Swiss standard). The above listed values, were measured on the systems and layer thickness as per the details in each test report. The values determined can be used as a reference point for deviations, especially for other installation heights.

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.