Fraunhofer IBP

Fraunhofer Institute for Building Physics IBP

Directors
Prof. Dr. Philip Leistner
Prof. Dr. Klaus Peter Sedlbauer

Nobelstr. 12
70569 Stuttgart

Dipl.-Ing. (FH) Joachim Mohr
Building Acoustics
Phone +49 711 970-3348 | Fax -970-3406
joachim.mohr@ibp.fraunhofer.de
www.ibp.fraunhofer.de

Fraunhofer IBP | POB 80 04 69 | 70504 Stuttgart, Germany

Gebr. Ostendorf Kunststoffe GmbH
Rudolf-Diesel-Str. 6-8
49377 Vechta
Germany

Your Ref. | Your Message of | Our Ref.
Mo

Stuttgart, July 14, 2015

Determination of the Acoustic Performance of a Wastewater Installation System in the Laboratory according to EN 14366 and following DIN 4109. Extract from test report P-BA 221/2016

On October 25, 2016 the determination of the acoustic performance of a wastewater installation system was performed in the technical centre of the Fraunhofer Institute for Building Physics on a plastic wastewater installation system **"ORIGINAL Skolan dB Safe, SKEM DN/OD 110 x 5.3, PP" (manufacturer Ostendorf) with pipe clamps "BISMAT 1000" (manufacturer Walraven).** Below measurement results are stated in extracts. Precise information about test object, test set-up and test method as well as detailed measurement results can be found in the test report P-BA 221/2016.

Result:

Test specimen: Plastic wastewater installation system "ORIGINAL Skolan dB Safe, SKEM DN/OD 110 x 5.3, PP" (manufacturer Ostendorf) with pipe clamps "BISMAT 1000" (manufacturer Walraven). In each storey (EG and UG) two pipe clamps were mounted. At the upper wall area of the installation wall one "Bismat 1000" loose clamp was installed (supporting clamp SL, DN 100). At the lower wall area of the installation wall one "Bismat 1000" double clamp consisting of supporting clamp (SL, DN 100) and fixing clamp (SX, DN 100) was installed. To prevent contact to the pipe, the loose clamps and the supporting clamps were equipped with two spacers (2 x 7.5 mm, black) on each side.		Flow rate [l/s]			
		0,5	1,0	2,0	4,0
Installation sound level $L_{AFeq,n}$ [dB(A)] following DIN 4109 in the basement test-room	**UG rear**	**<10**	**<10**	**12**	**17**

Fraunhofer Institute for Building Physics IBP

(Dipl.-Ing.(FH) J. Mohr)