

# Geberit Silent-db20

Noise Control in Drainage Systems



# Geberit Silent-db20

Silent-db20 is the new drainage system for buildings with increased levels of soundproofing. Its outstanding acoustic properties are achieved using patented high density material specially developed for this purpose. Ribbed fittings further improve sound dampening near impact zones and acoustically insulated pipe brackets prevent solid-borne sound. The system is temperature stable and easy to install and the welded connections guarantee it to be leak proof.



## Sound insulation system

Geberit Silent-db20 has been specifically developed as a drainage system for multiple dwellings, hospitals, hotels and offices. In combination with Geberit Duofix, Geberit Silent-db20 meets the highest acoustic requirements.



## Thicker material absorbs noise emissions

Heavy pipe material resonates less and is therefore quieter. The mineral reinforced, UV resistant plastic is achieved by mixing 20% stone powder to standard HDPE, which accounts for 55% of the total weight. Used in conjunction with acoustic pipe brackets for solid-bourne sound dampening, the system more than meets current regulations for sound insulation.



## Quality through development

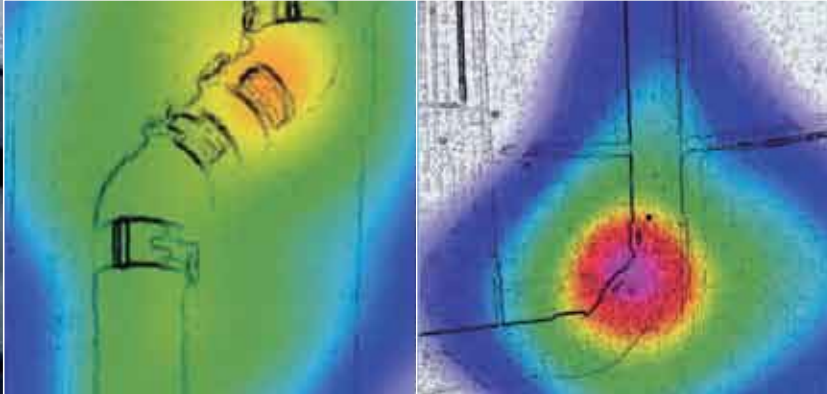
The outstanding acoustic insulation properties are achieved by using the reinforced HDPE material and the uniquely shaped insulation ribs located on the fittings. The small ribs reduce the vibrations and the noise caused by water impacting with the pipe. This reduces the airborne sound development significantly.



## Fast and easy installation

Geberit Silent-db20 can be installed effortlessly fast and accurately due to its lightweight properties. The proven butt welding technology and electrofusion couplings guarantee a leak proof system of the highest quality and reliability.





## From innovation to the ideal product

In our modern R&D centre engineers put Geberit products through their paces. Shots taken with an acoustic camera show images of sound levels in a drainage system by colour, proving the low noise emissions. The tests have to meet stringent regulations in regards to minimum noise emissions for the Swiss market; therefore Geberit products stand for high performance and reliability, and more than stand up to the British regulations for sound emissions within buildings. Geberit Silent-db20 is the reliable and quiet system for all types of residential and commercial building.

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## Prestigious projects



**The Cube Hotel, Austria 2004**

900m Silent-db2



**Stadthalle Graz Town Hall, Austria 2002**

300m Silent-db20



**Kunsthaus Graz Entertainment Facility, Austria 2003**

300m Silent-db20

Architects: Peter Cook & Paul Fournier, London



**Sheraton Arabella Hotel, Cape Town, South Africa 2003**

Silent-db20

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