



Basotect®

Basotect® delivers excellent acoustics in air conditioning equipment

Designers of buildings with particularly high requirements for room acoustics, for example theaters or concert halls, need to think about every little detail to optimize the acoustics. Even the air conditioning equipment that is used must operate with as little noise as possible.

For this reason, the air conditioning manufacturer HOWATHERM® relies on Basotect® for sound absorption in its equipment. This light and easy-to-process melamine resin foam displays outstanding sound absorption in the medium and high frequency range (500 to 5,000 Hz). For sound in the low frequency range below 125 Hz, HOWATHERM®'s equipment makes use of an electroacoustic component that emits a sound with a wavelength that superimposes the targeted existing sound wave in such a way that the two waves cancel each other out. "Basotect® and the active electroacoustic component combine to make a crucial contribution to significantly improving the damping values in the 'Acoustic Unit by HOWATHERM®' system," says Prof. Dr.-Ing. Christoph Kaup, Managing Director of HOWATHERM® Klimatechnik GmbH.

Furthermore, Basotect® offers a compelling choice thanks to its low flammability and absence of mineral fibers as both characteristics provide increased safety in the buildings that are fitted with the material.

