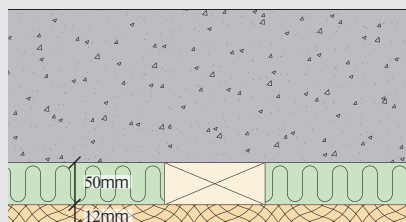


Cinema_PET Ceiling

Sound absorption measurements for
12 mm polyester fiber panel, 50mm polyester felt installed directly on
concrete

VERTICAL SCHEMATIC DIAGRAM



Concrete

3mm damping sound insulation felt

50mm polyester felt

12 mm polyester fiber panel

SOUND ABSORPTION MEASUREMENTS

Measurement of the
sound absorption coeffi-
cients were carried out
using the reverberation
room method

The measurements are
carried out by KUS
Acoustics.

Hz	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
α	0,18	0,19	0,29	0,36	0,55	0,74	0,92	1,00	1,07	1,01	0,98	0,91	0,85	0,83	0,84	0,85	0,87	0,94

$\alpha_w = 0,85$ - NRC = 0,85 - Absorptionsklasse A.

Absorption coefficient α

