

Sound absorption according to DIN EN ISO 354:2005
Product: BER Solith-A

Cut



Type: A

Cavity: 50 mm

$\alpha_{i,m} = 0,42$ $NRC = 0,45$ $\alpha_w = 0,45$ Kl. D

f [Hz]	125	250	500	1000	2000	4000
α_s	0,27	0,42	0,43	0,48	0,47	0,42

Type: A

Cavity: 50 mm

$\alpha_{i,m} = 0,49$ $NRC = 0,55$ $\alpha_w = 0,60$ Kl. C

f [Hz]	125	250	500	1000	2000	4000
α_s	0,19	0,33	0,55	0,65	0,64	0,57

Type: A

Cavity: 200 mm

$\alpha_{i,m} = 0,42$ $NRC = 0,45$ $\alpha_w = 0,50$ Kl. D

f [Hz]	125	250	500	1000	2000	4000
α_s	0,28	0,35	0,45	0,50	0,50	0,46

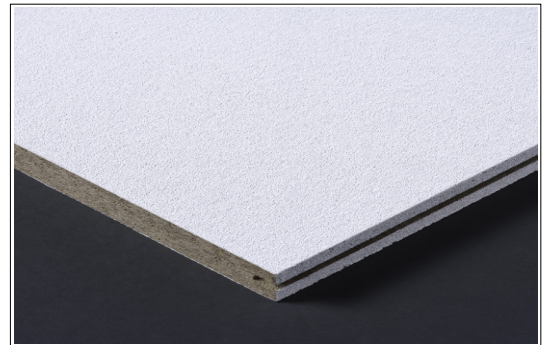
Type: A

Cavity: 400 mm

$\alpha_{i,m} = 0,44$ $NRC = 0,45$ $\alpha_w = 0,50$ Kl. D

f [Hz]	125	250	500	1000	2000	4000
α_s	0,34	0,33	0,46	0,52	0,52	0,47

Surface:



Technical Details

Material:

BER Solith-A

Panel base of mineral wool with natural fillers and bonding agents - does not contain asbestos or formaldehyde. Surface covered with acoustic fleece oversprayed with BER structure lacquer, rear surface covered with acoustic fleece (non-hazardous)

Technical Details:

Fire rating class A2 according to DIN 4102

sound absorbing according to DIN EN ISO 354:2005
sound absorber classes C and D
and sound reflecting

light reflection according to DIN 5036
white, similar to RAL 9010 (89%)

ball impact resistant construction
according to DIN 18 032 for ceiling and walls

Thickness:

approx.: 20 mm

Weight:

ca. 7,40 kg/m²

panel size:

max. 1250 x 2500 mm

purpose made and other sizes available

dimensional tolerances:

+/- 0,5 per 1000 mm

Colour:

BER structure lacquer white
similar to RAL 9010

other RAL or NCS Colours available