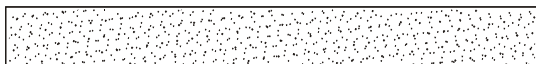


Sound absorption according to DIN EN ISO 354:2005

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
$\alpha_s$	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
$\alpha_s$	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
$\alpha_s$	0,28	0,35	0,45	0,50	0,50	0,46

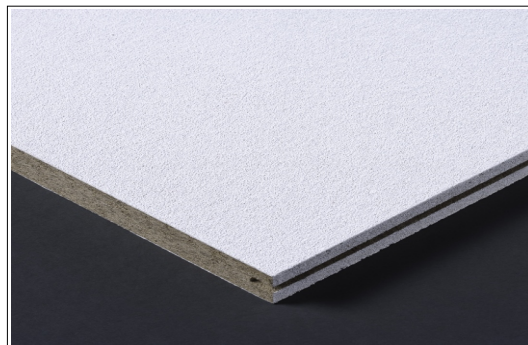
Type: A

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
$\alpha_s$	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/m<sup>2</sup>

### 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