

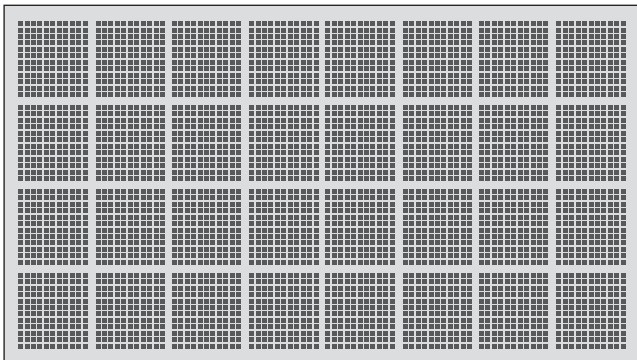
Acoustic Design Boards

Product Data Sheet 152

Sound Absorption



Acoustic Design Board 12/25Q Design 32F



- Sound Absorption Value defined in accordance with DIN EN ISO 354
- Sound Absorption evaluated in accordance with DIN EN ISO 11654

Thickness of the Board: $d = 12,5 \text{ mm}$
 Density: $8,70 \text{ kg/m}^2$
 Perforated Area: $13,0 \%$
 Building Material Classification according DIN 4102: A2, "non combustible"
 Fire performance according DIN EN 13501: A2-s1, d0

Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption $\alpha_w = 0,60 \text{ (L)}$

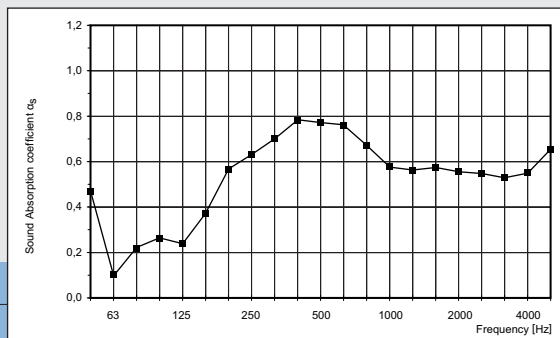
Sound Absorbing Classification **C** (high absorbing)

Single number rating acc. ASTM C 423: SAA = 0,64

Classification acc. ASTM E 1264: NRC = 0,65

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,25	0,63	0,77	0,57	0,54	0,52



Back of tile laminated with

**Acoustic fleece AV 2010 +
 Glass wool sound protection board SSP 1, 30 mm**

Sound Absorption $\alpha_w = 0,70$

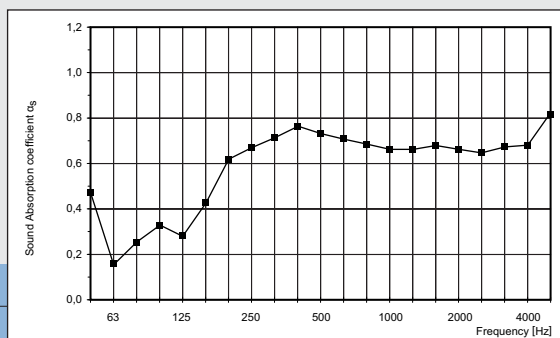
Sound Absorbing Classification **C** (high absorbing)

Single number rating acc. ASTM C 423: SAA = 0,68

Classification acc. ASTM E 1264: NRC = 0,70

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,28	0,66	0,71	0,67	0,67	0,69



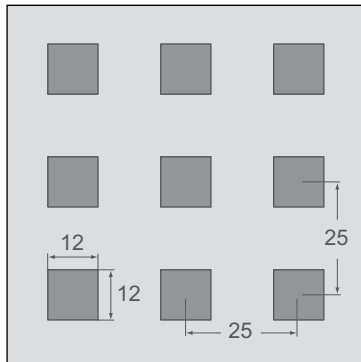
Acoustic Design Boards

Product Data Sheet 136

Sound Absorption



Acoustic Design Board 12/25Q (quadrat)



- Sound Absorption Value defined in accordance with DIN EN ISO 354
- Sound Absorption evaluated in accordance with DIN EN ISO 11654

Thickness of the Board:

$d = 12,5 \text{ mm}$

Density:

$7,70 \text{ kg/m}^2$

Perforated Area:

23,0 %

Building Material Classification according DIN 4102: A2, "non combustible"

Fire performance according DIN EN 13501:

A2-s1, d0

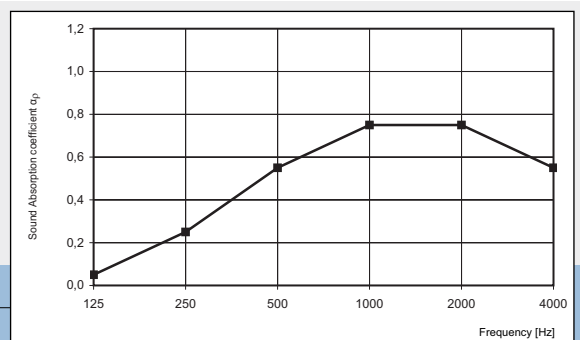
Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption $\alpha_w = 0,55$

Sound Absorbing Classification **D** (absorbing)

Ceiling Void: 65 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,05	0,25	0,55	0,75	0,75	0,55



Back of tile laminated with
Acoustic fleece AV 2010 +

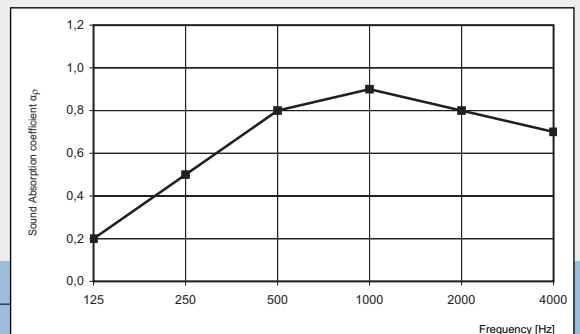
Glass wool sound protection board SSP 1, 30 mm

Sound Absorption $\alpha_w = 0,80$

Sound Absorbing Classification **B** (highest absorbing)

Ceiling Void: 65 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,20	0,50	0,80	0,90	0,80	0,70



Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption $\alpha_w = 0,75$

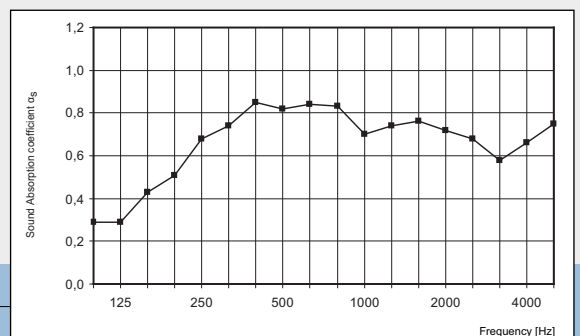
Sound Absorbing Classification **C** (high absorbing)

Single number rating acc. ASTM C 423: SAA = 0,74

Classification acc. ASTM E 1264: NRC = 0,75

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,29	0,68	0,82	0,70	0,72	0,66



Back of tile laminated with
Acoustic fleece AV 2010 +

Glass wool sound protection board SSP 1, 30 mm

Sound Absorption $\alpha_w = 0,90$

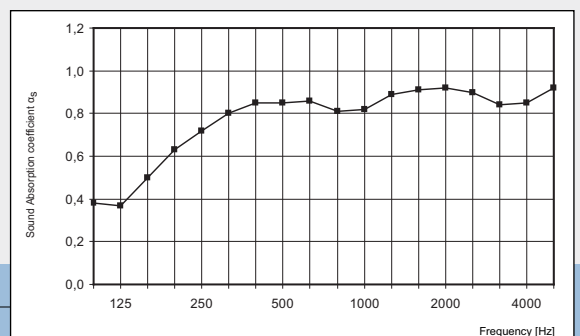
Sound Absorbing Classification **A** (highest absorbing)

Single number rating acc. ASTM C 423: SAA = 0,83

Classification acc. ASTM E 1264: NRC = 0,85

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,37	0,72	0,85	0,82	0,92	0,85



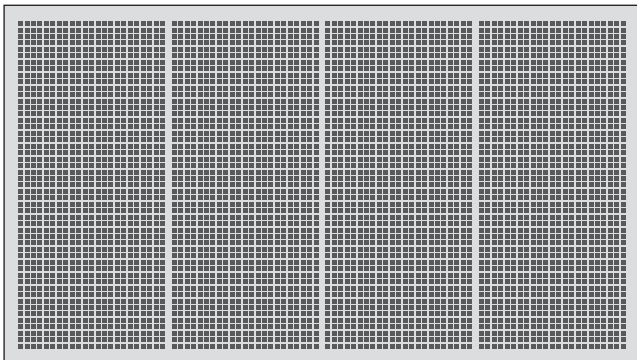
Acoustic Design Boards

Product Data Sheet 148

Sound Absorption



Acoustic Design Board 12/25Q Design 4F



- Sound Absorption Value defined in accordance with DIN EN ISO 354
- Sound Absorption evaluated in accordance with DIN EN ISO 11654

Thickness of the Board: $d = 12,5 \text{ mm}$
 Density: $8,10 \text{ kg/m}^2$
 Perforated Area: $18,9 \%$
 Building Material Classification according DIN 4102: A2, "non combustible"
 Fire performance according DIN EN 13501: A2-s1, d0

Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption $\alpha_w = 0,70$

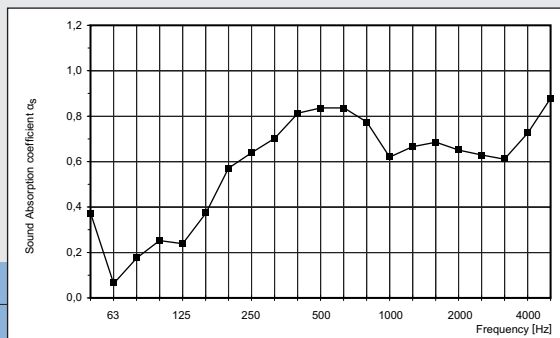
Sound Absorbing Classification **C** (high absorbing)

Single number rating acc. ASTM C 423: SAA = 0,71

Classification acc. ASTM E 1264: NRC = 0,70

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,24	0,65	0,84	0,65	0,66	0,71



Back of tile laminated with

**Acoustic fleece AV 2010 +
 Glass wool sound protection board SSP 1, 30 mm**

Sound Absorption $\alpha_w = 0,85$

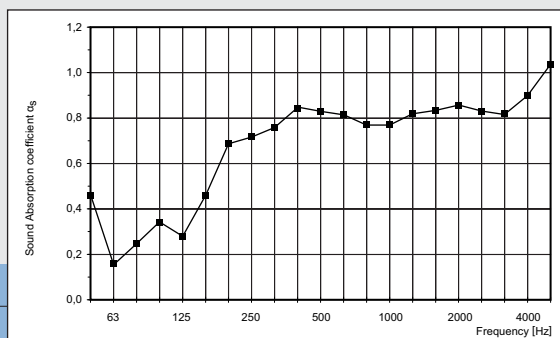
Sound Absorbing Classification **B** (highly absorbing)

Single number rating acc. ASTM C 423: SAA = 0,80

Classification acc. ASTM E 1264: NRC = 0,80

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,28	0,71	0,83	0,78	0,86	0,90



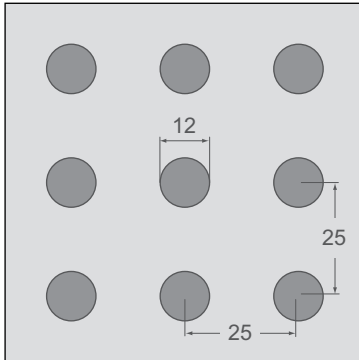
Acoustic Design Boards

Product Date Sheet 126

Sound Absorption



Acoustic Design Board 12/25R (round)



- Sound Absorption Value defined in accordance with DIN EN ISO 354
- Sound Absorption evaluated in accordance with DIN EN ISO 11654

Thickness of the Board:

$d = 12,5 \text{ mm}$

Density:

$8,20 \text{ kg/m}^2$

Perforated Area:

18,1 %

Building Material Classification according DIN 4102: A2, "non combustible"

Fire performance according DIN EN 13501:

A2-s1, d0

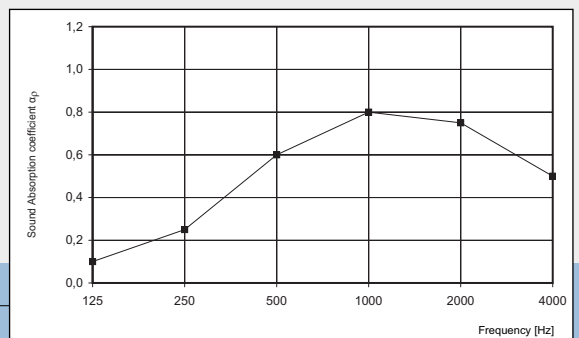
Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption $\alpha_w = 0,55 \text{ (M)}$

Sound Absorbing Classification **D** (absorbing)

Ceiling Void: 65 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,10	0,25	0,60	0,80	0,75	0,50



Back of tile laminated with

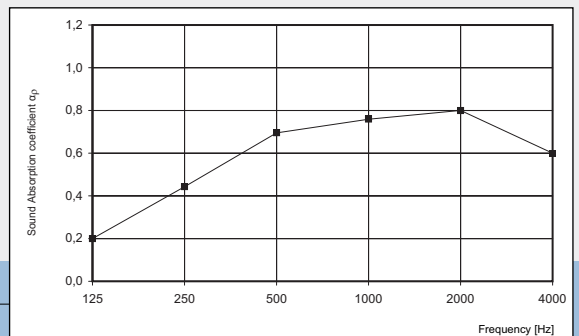
**Acoustic fleece 2010 +
Glass wool sound protection board SSP 1, 30 mm**

Sound Absorption $\alpha_w = 0,70$

Sound Absorbing Classification **C** (high absorbing)

Ceiling Void: 65 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,20	0,45	0,70	0,75	0,80	0,60



Back of tile laminated with

Acoustic fleece AV 2010

Sound Absorption $\alpha_w = 0,70$

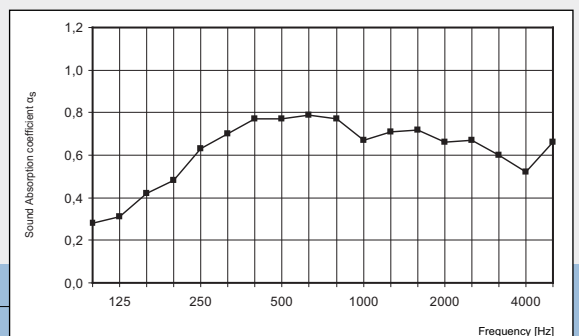
Sound Absorbing Classification **C** (high absorbing)

Single number rating acc. ASTM C 423: SAA = 0,69

Classification acc. ASTM E 1264: NRC = 0,70

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,31	0,63	0,77	0,67	0,66	0,52



Back of tile laminated with

**Acoustic fleece AV 2010 +
Glass wool sound protection board SSP 1, 30 mm**

Sound Absorption $\alpha_w = 0,80$

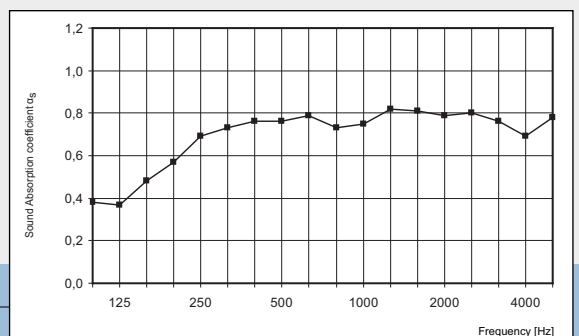
Sound Absorbing Classification **B** (highest absorbing)

Single number rating acc. ASTM C 423: SAA = 0,75

Classification acc. ASTM E 1264: NRC = 0,75

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,37	0,69	0,76	0,75	0,79	0,69



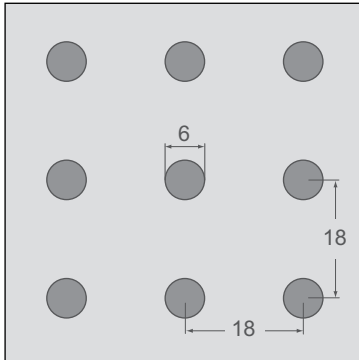
Acoustic Design Boards

Product Data Sheet 120

Sound Absorption



Acoustic Design Board 6/18R (round)



- Sound Absorption Value defined in accordance with DIN EN ISO 354
- Sound Absorption evaluated in accordance with DIN EN ISO 11654

Thickness of the Board:

$d = 12,5 \text{ mm}$

Density:

$9,10 \text{ kg/m}^2$

Perforated Area:

8,7 %

Building Material Classification according DIN 4102: A2, "non combustible"

Fire performance according DIN EN 13501:

A2-s1, d0

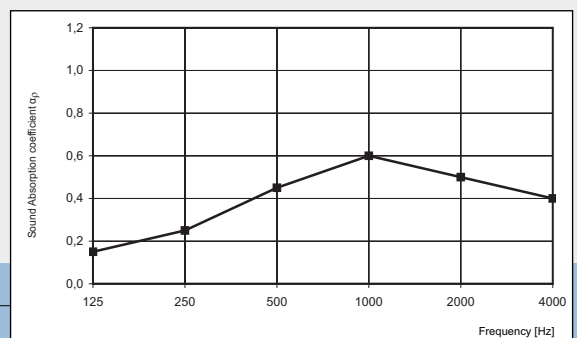
Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption $\alpha_w = 0,50$

Sound Absorbing Classification **D** (absorbing)

Ceiling Void: 65 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,15	0,25	0,45	0,60	0,50	0,40



Back of tile laminated with

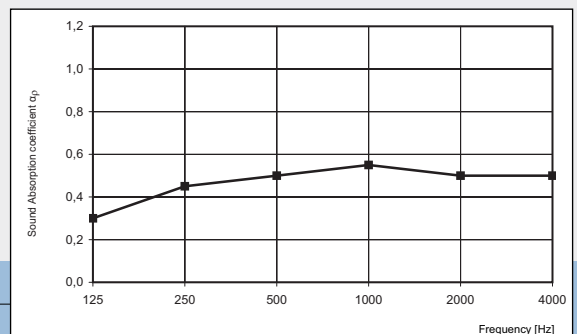
**Acoustic fleece AV 2010 +
Glass wool sound protection board SSP 1, 30 mm**

Sound Absorption $\alpha_w = 0,55$

Sound Absorbing Classification **D** (absorbing)

Ceiling Void: 65 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,30	0,45	0,50	0,55	0,50	0,50



Back of tile laminated with

Acoustic fleece AV 2010

Sound Absorption $\alpha_w = 0,55$

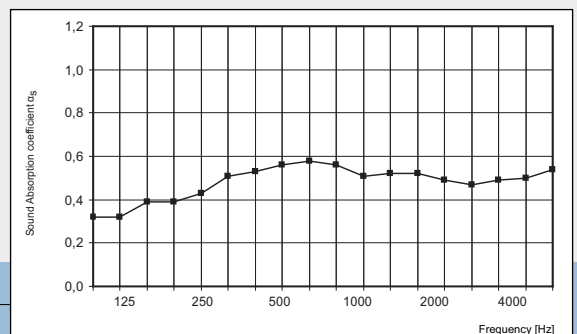
Sound Absorbing Classification **D** (absorbing)

Single number rating acc. ASTM C 423: SAA = 0,51

Classification acc. ASTM E 1264: NRC = 0,50

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,32	0,43	0,56	0,51	0,49	0,50



Back of tile laminated with

**Acoustic fleece AV 2010 +
Glass wool sound protection board SSP 1, 30 mm**

Sound Absorption $\alpha_w = 0,55$

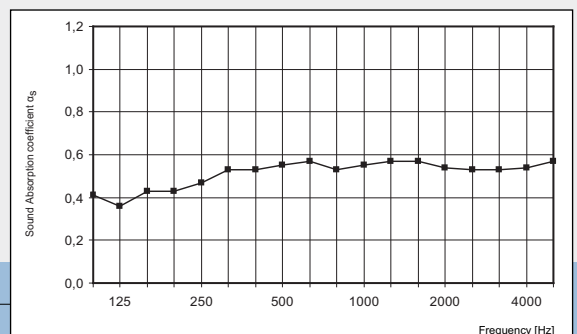
Sound Absorbing Classification **D** (absorbing)

Single number rating acc. ASTM C 423: SAA = 0,53

Classification acc. ASTM E 1264: NRC = 0,55

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,36	0,47	0,55	0,55	0,54	0,54



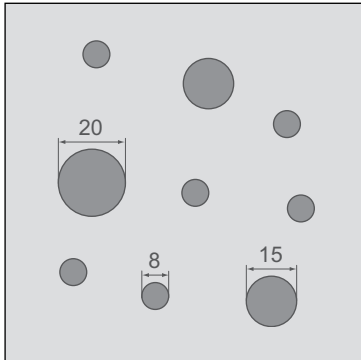
Acoustic Design Boards

Product Data Sheet 138

Sound Absorption



Acoustic Design Board 8/15/20R (round)



- Sound Absorption Value defined in accordance with DIN EN ISO 354
- Sound Absorption evaluated in accordance with DIN EN ISO 11654

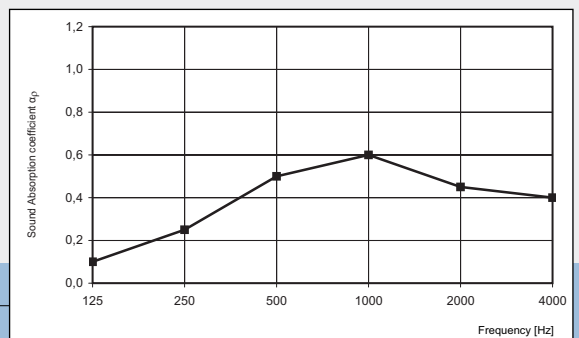
Thickness of the Board: $d = 12,5 \text{ mm}$
 Density: $9,10 \text{ kg/m}^2$
 Perforated Area: $9,5 \%$
 Building Material Classification according DIN 4102: A2, "non combustible"
 Fire performance according DIN EN 13501: A2-s1, d0

Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption $\alpha_w = 0,50$
 Sound Absorbing Classification **D** (absorbing)

Ceiling Void: 65 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,10	0,25	0,50	0,60	0,45	0,40

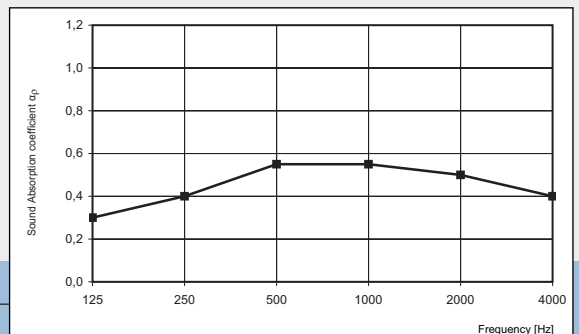


Back of tile laminated with
**Acoustic fleece AV 2010 +
 Glass wool sound protection board SSP 1, 30 mm**

Sound Absorption $\alpha_w = 0,55$
 Sound Absorbing Classification **D** (absorbing)

Ceiling Void: 65 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_p	0,30	0,40	0,55	0,55	0,50	0,40



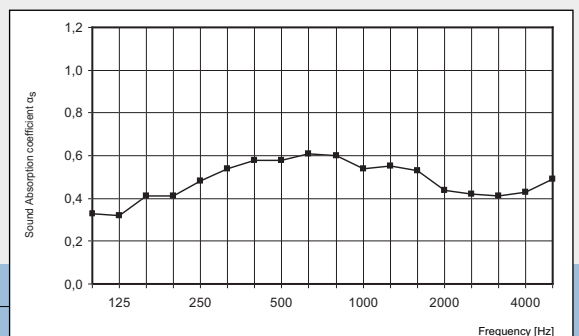
Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption $\alpha_w = 0,55$
 Sound Absorbing Classification **D** (absorbing)

Single number rating acc. ASTM C 423: SAA = 0,52
 Classification acc. ASTM E 1264: NRC = 0,50

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,32	0,48	0,58	0,54	0,44	0,43



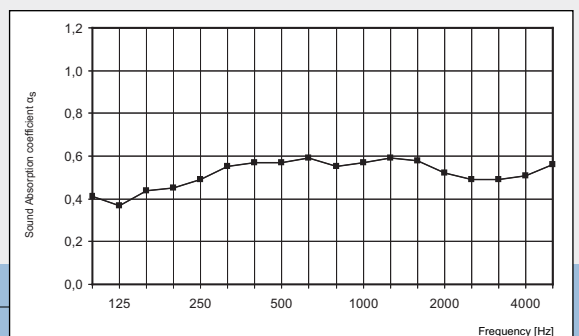
Back of tile laminated with
**Acoustic fleece AV 2010 +
 Glass wool sound protection board SSP 1, 30 mm**

Sound Absorption $\alpha_w = 0,60$
 Sound Absorbing Classification **C** (high absorbing)

Single number rating acc. ASTM C 423: SAA = 0,54
 Classification acc. ASTM E 1264: NRC = 0,55

Ceiling Void: 200 mm

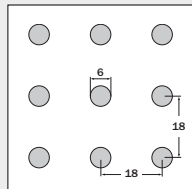
Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,37	0,49	0,57	0,57	0,52	0,51



Acoustic Design Ceilings

Sound Absorption Values 65 mm

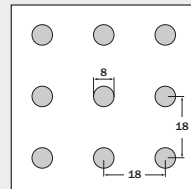
Acoustic Design Board 6/18R (round)



Ceiling Void: 65 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,50$
Classification **D**
deposited with glass wool 30mm
 $\alpha_w = 0,55$ Classification **D**

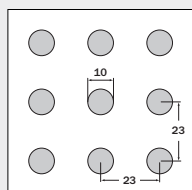
Acoustic Design Board 8/18R (round)



Ceiling Void: 65 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,55$ (M)
Classification **D**
deposited with glass wool 30mm
 $\alpha_w = 0,75$ Classification **C**

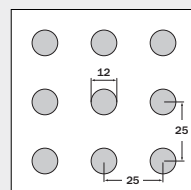
Acoustic Design Board 10/23R (round)



Ceiling Void: 65 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,55$
Classification **D**
deposited with glass wool 30mm
 $\alpha_w = 0,65$ Classification **C**

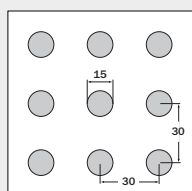
Acoustic Design Board 12/25R (round)



Ceiling Void: 65 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,55$ (M)
Classification **D**
deposited with glass wool 30mm
 $\alpha_w = 0,70$ Classification **C**

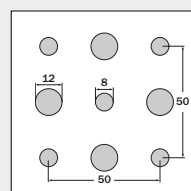
Acoustic Design Board 15/30R (round)



Ceiling Void: 65 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,55$ (M)
Classification **D**
deposited with glass wool 30mm
 $\alpha_w = 0,75$ Classification **C**

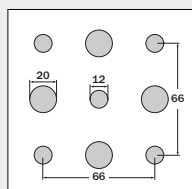
Acoustic Design Board 8/12/50R (round)



Ceiling Void: 65 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,55$
Classification **D**
deposited with glass wool 30mm
 $\alpha_w = 0,70$ Classification **C**

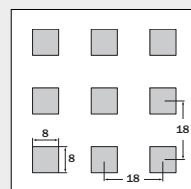
Acoustic Design Board 12/20/20R (round)



Ceiling Void: 65 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,55$ (M)
Classification **D**
deposited with glass wool 30mm
 $\alpha_w = 0,70$ Classification **C**

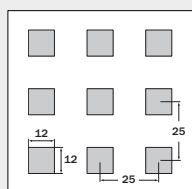
Acoustic Design Board 8/18Q (quadrat)



Ceiling Void: 65 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,55$ (M)
Classification **D**
deposited with glass wool 30mm
 $\alpha_w = 0,75$ Classification **C**

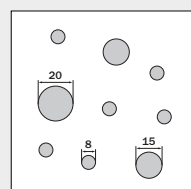
Acoustic Design Board 12/25Q (quadrat)



Ceiling Void: 65 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,55$
Classification **D**
deposited with glass wool 30mm
 $\alpha_w = 0,80$ Classification **B**

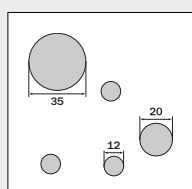
Acoustic Design Board 8/15/20R (round)



Ceiling Void: 65 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,50$
Classification **D**
deposited with glass wool 30mm
 $\alpha_w = 0,55$ Classification **D**

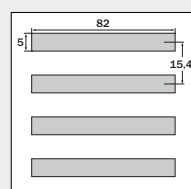
Acoustic Design Board 12/20/35R (round)



Ceiling Void: 65 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,50$
Classification **D**
deposited with glass wool 30mm
 $\alpha_w = 0,55$ Classification **D**

Acoustic Design Board 5/82/15,4SL (slot)



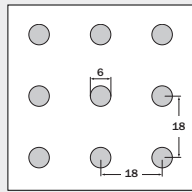
Ceiling Void: 65 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,55$
Classification **D**
deposited with glass wool 30mm
 $\alpha_w = 0,55$ Classification **D**

Acoustic Design Ceilings

Sound Absorption Values 200 mm

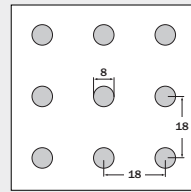
Acoustic Design Board 6/18R (round)



Ceiling Void: 200 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,55$
Classification **D**
desposited with glass wool 30mm
 $\alpha_w = 0,55$ Classification **D**

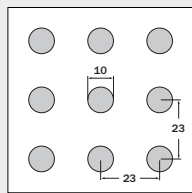
Acoustic Design Board 8/18R (round)



Ceiling Void: 200 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,70$
Classification **C**
desposited with glass wool 30mm
 $\alpha_w = 0,75$ Classification **C**

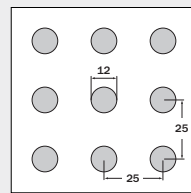
Acoustic Design Board 10/23R (round)



Ceiling Void: 200 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,70$
Classification **C**
desposited with glass wool 30mm
 $\alpha_w = 0,70$ Classification **C**

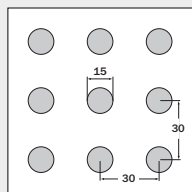
Acoustic Design Board 12/25R (round)



Ceiling Void: 200 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,70$
Classification **C**
desposited with glass wool 30mm
 $\alpha_w = 0,80$ Classification **B**

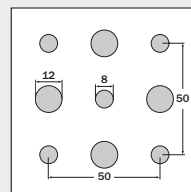
Acoustic Design Board 15/30R (round)



Ceiling Void: 200 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,75$
Classification **C**
desposited with glass wool 30mm
 $\alpha_w = 0,80$ Classification **B**

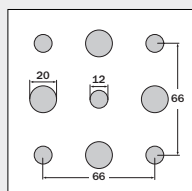
Acoustic Design Board 8/12/50R (round)



Ceiling Void: 200 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,65$
Classification **C**
desposited with glass wool 30mm
 $\alpha_w = 0,70$ Classification **C**

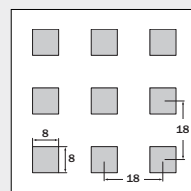
Acoustic Design Board 12/20/20R (round)



Ceiling Void: 200 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,70$
Classification **C**
desposited with glass wool 30mm
 $\alpha_w = 0,80$ Classification **B**

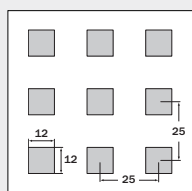
Acoustic Design Board 8/18Q (quadrat)



Ceiling Void: 200 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,75$
Classification **C**
desposited with glass wool 30mm
 $\alpha_w = 0,85$ Classification **B**

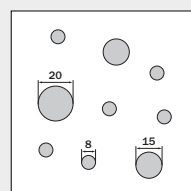
Acoustic Design Board 12/25Q (quadrat)



Ceiling Void: 200 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,75$
Classification **C**
desposited with glass wool 30mm
 $\alpha_w = 0,90$ Classification **A**

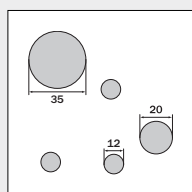
Acoustic Design Board 8/15/20R (round)



Ceiling Void: 200 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,55$
Classification **D**
desposited with glass wool 30mm
 $\alpha_w = 0,60$ Classification **C**

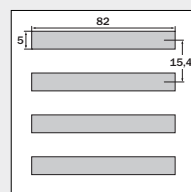
Acoustic Design Board 12/20/35R (round)



Ceiling Void: 200 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,55$
Classification **D**
desposited with glass wool 30mm
 $\alpha_w = 0,60$ Classification **C**

Acoustic Design Board 5/82/15,4SL (slot)



Ceiling Void: 200 mm

Back of tile laminated with
Acoustic fleece AV 2010
Sound Absorption $\alpha_w = 0,70$
Classification **C**
desposited with glass wool 30mm
 $\alpha_w = 0,85$ Classification **B**

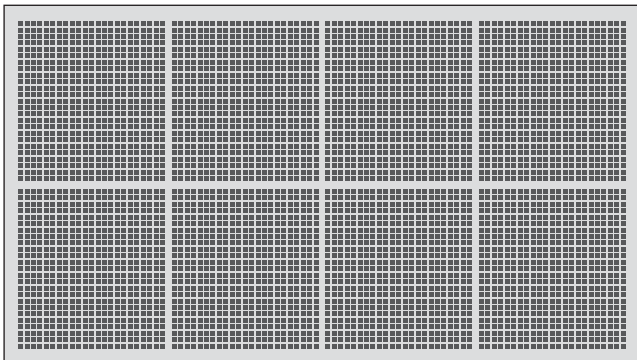
Acoustic Design Boards

Product Data Sheet 150

Sound Absorption



Acoustic Design Board 12/25Q Design 8F



- Sound Absorption Value defined in accordance with DIN EN ISO 354
- Sound Absorption evaluated in accordance with DIN EN ISO 11654

Thickness of the Board: $d = 12,5 \text{ mm}$
 Density: $8,20 \text{ kg/m}^2$
 Perforated Area: $17,7 \%$
 Building Material Classification according DIN 4102: A2, "non combustible"
 Fire performance according DIN EN 13501: A2-s1, d0

Back of tile laminated with
Acoustic fleece AV 2010

Sound Absorption $\alpha_w = 0,70$

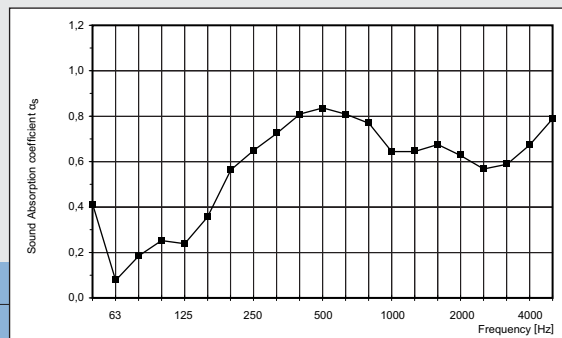
Sound Absorbing Classification **C** (high absorbing)

Single number rating acc. ASTM C 423: SAA = 0,69

Classification acc. ASTM E 1264: NRC = 0,70

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,25	0,65	0,83	0,66	0,63	0,68



Back of tile laminated with

**Acoustic fleece AV 2010 +
 Glass wool sound protection board SSP 1, 30 mm**

Sound Absorption $\alpha_w = 0,80$

Sound Absorbing Classification **B** (highly absorbing)

Single number rating acc. ASTM C 423: SAA = 0,77

Classification acc. ASTM E 1264: NRC = 0,75

Ceiling Void: 200 mm

Frequency in [Hz]	125	250	500	1000	2000	4000
Sound Absorption coefficient α_s	0,28	0,71	0,81	0,76	0,82	0,86

