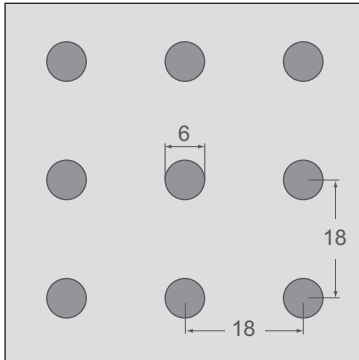


Ceiling Tiles

Product data sheet 229

Sound absorption 200 mm / 400 mm

Ceiling Tile 6/18R (round)



- Determination of sound absorption coefficient as per DIN EN ISO 354
- Rating of sound absorption coefficient as per DIN EN ISO 11654

Panel thickness: $th = 12.5 \text{ mm}$
 Mass per unit area: $9.29 - 9.35 \text{ kg/m}^2$
 Perforated area: $6.51 - 7.45 \% (*)$
 Fire behaviour as per DIN EN 13501-1: A2-s1, d0

(*) = vary in according to size and edge type

Back of panel laminated with
acoustic fleece AV 2010

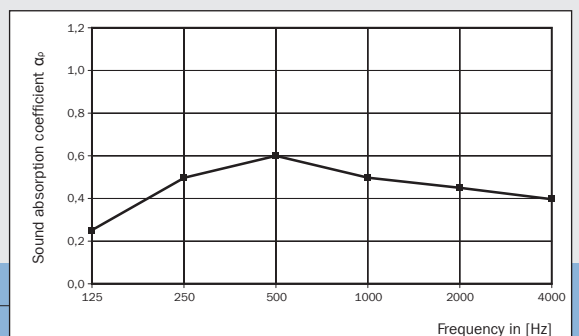
Sound absorption $\alpha_w = 0.50$

Sound absorbing classification **D** (absorbing)

Single number rating acc. ASTM C423-09a: **SAA = 0.50**
NRC = 0.50

Ceiling void: E-200 (200 mm)

Frequency in [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.25	0.50	0.60	0.50	0.45	0.40



Back of panel laminated with

acoustic fleece AV 2010 +
Glass wool sound protection board SSP 1 (30 mm)

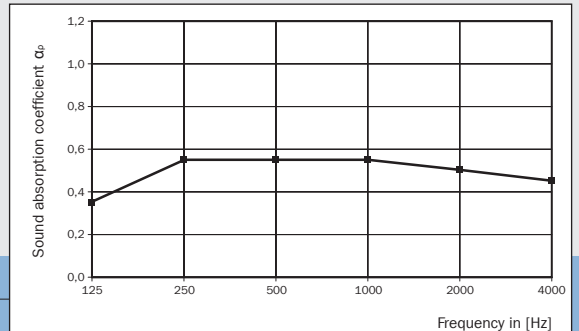
Sound absorption $\alpha_w = 0.55$

Sound absorbing classification **D** (absorbing)

Single number rating acc. ASTM C423-09a: **SAA = 0.52**
NRC = 0.50

Ceiling void: E-200 (200 mm)

Frequency in [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.35	0.55	0.55	0.55	0.50	0.45



Back of panel laminated with

acoustic fleece AV 2010

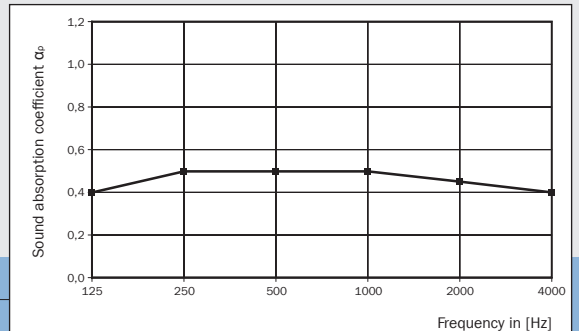
Sound absorption $\alpha_w = 0.50$

Sound absorbing classification **D** (absorbing)

Single number rating acc. ASTM C423-09a: **SAA = 0.49**
NRC = 0.50

Ceiling void: E-400 (400 mm)

Frequency in [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.40	0.50	0.50	0.50	0.45	0.40



Back of panel 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 C423-09a: **SAA = 0.52**
NRC = 0.50

Ceiling void: E-400 (400 mm)

Frequency in [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.40	0.50	0.55	0.60	0.50	0.45

