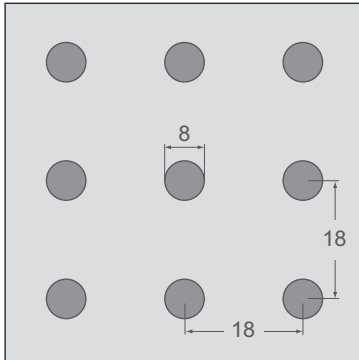


Ceiling Tiles

Product data sheet 230

Sound absorption 200 mm / 400 mm

Ceiling Tile 8/18R (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: $t_h = 12.5 \text{ mm}$
 Mass per unit area: $8.70 - 8.86 \text{ kg/m}^2$
 Perforated Area: $11.36 - 12.98 \% (*)$
 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

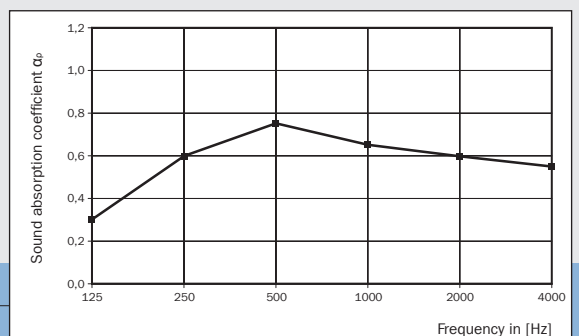
Sound absorption $\alpha_w = 0.65$

Sound absorbing classification **C** (highly absorbing)

Single number rating acc. ASTM C423-09a: **SAA = 0.63**
NRC = 0.65

Ceiling Void: E-200 (200 mm)

Frequency in [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.30	0.60	0.75	0.65	0.60	0.55



Back of panel laminated with

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

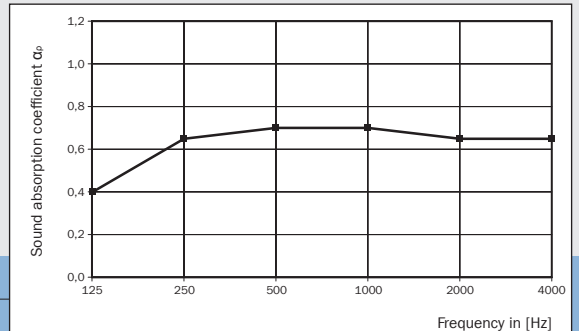
Sound absorption $\alpha_w = 0.70$

Sound absorbing classification **C** (highly absorbing)

Single number rating acc. ASTM C423-09a: **SAA = 0.67**
NRC = 0.65

Ceiling void: E-200 (200 mm)

Frequency in [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.40	0.65	0.70	0.70	0.65	0.65



Back of panel laminated with
acoustic fleece AV 2010

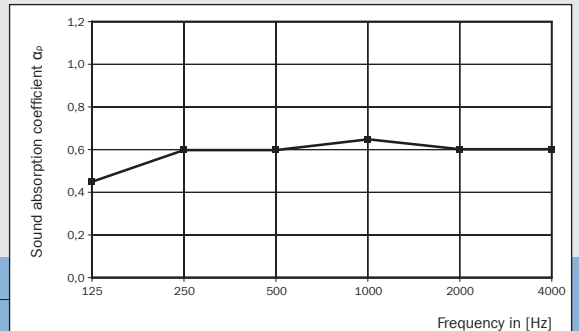
Sound absorption $\alpha_w = 0.65$

Sound absorbing classification **C** (highly absorbing)

Single number rating acc. ASTM C423-09a: **SAA = 0.61**
NRC = 0.60

Ceiling void: E-400 (400 mm)

Frequency in [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.45	0.60	0.60	0.65	0.60	0.60



Back of panel 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** (highly absorbing)

Single number rating acc. ASTM C423-09a: **SAA = 0.66**
NRC = 0.65

Ceiling void: E-400 (400 mm)

Frequency in [Hz]	125	250	500	1,000	2,000	4,000
Sound absorption coefficient α_p	0.45	0.60	0.65	0.75	0.70	0.65

