

HeartFelt® Baffle

CEILING SYSTEM

PRODUCT CHARACTERISTICS

- Modular felt baffle system
- Baffle dimensions: height 100 - 500 mm, width 40 - 80 mm, length up to 2000 mm
- 5 shades of grey and 5 earth tones
- Suspended via a carrier rail
- Flexible acoustics
- Cradle to Cradle Certified® Bronze

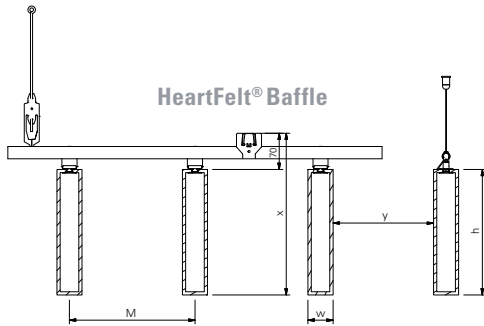
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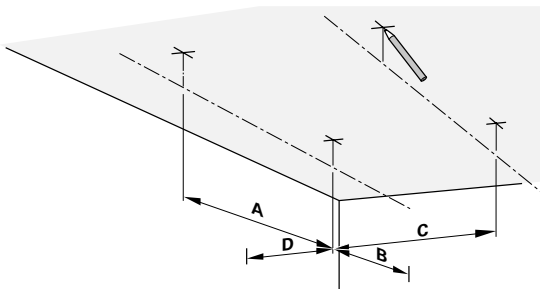
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PROFILE



- $x = h + 70$
 $h =$ baffle height (100 - 500 mm)
 $w =$ baffle width (40 - 80 mm)
- $M =$ module (recommended $w + h$)
 $y =$ baffle distance (recommended h)

MAXIMUM SPAN

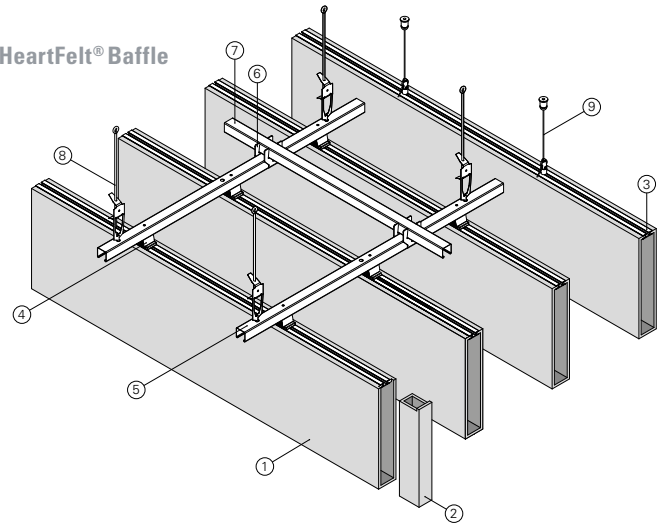


Panel	Maximum Carrier span		Maximum Panel span	
	A	B	C	D
HeartFelt® Baffle	1200	300	1900	500

MATERIAL PROPERTIES

- Material:** non-woven, thermoformed PES fibres
- Fire retardant:** class B-s1,d0 EN 13501-1
- Weight:** 5.0 kg/m² (80HB100 - M190)
2.4 kg/m² (40HB500 - M540)
- Light reflection:** depending on colour
- Exposure class:** B EN 13964

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SYSTEM OVERVIEW

- 1 = Baffle
 2 = End cap
 3 = Mounting profile
 4 = Mounting clip
 5 = Carrier
 6 = Stabilisation bracket
 7 = Stabilisation profile
 8 = Quick hanger
 9 = Wire hanger

ACOUSTICS - α_w

Baffle option 1 - Sound absorption baffle ceiling (α_w)

Baffle type	Module	α_w	SAA/NRC	Class
50HB250	M250	0.50 (H)	0.60	D
50HB250	M500	0.45 (H)	0.49	D

Baffle option 2 - Equivalent sound absorption per element (m^2 O.W.)

The table below shows the test result for Baffle panels with a length of 1800 mm:

Baffle type	Module	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
40HB200	random	0.11	0.35	0.59	0.60	0.76	0.81
50HB250	random	0.16	0.50	0.67	0.76	0.92	0.97
80HB400	random	0.41	0.79	0.90	1.19	1.31	1.43
50HB250	250	0.09	0.25	0.27	0.36	0.49	0.52
50HB250	500	0.16	0.38	0.44	0.54	0.73	0.76

Note: 50HB250 baffle, width = 50 mm and height = 250 mm

CERTIFICATIONS

- Indoor Air Comfort Gold
- VOC emission class A+
- Cradle to Cradle Certified® Bronze
- OEKO-TEX® STANDARD 100 class IV