

## Technical Data Sheet



### Product overview

Decrabatt Acoustic panel is engineered to provide maximum sound absorption performance, greatly assisting the sound quality of internal spaces by minimising reverberation. Available in 25mm, 50mm & 60mm thicknesses, Decrabatt Acoustic Panel is a heavy-density rigid panel suitable for fixing walls and ceilings. This heavy-density Rigid panel is ideal for interior walls and ceiling panelling in classrooms, commercial premises, restaurants, and multipurpose rooms. Made from 100% polyester fibre, Decrabatt board is lightweight, making it easy to handle and install. Decrabatt Acoustic Panel is available in black, grey and white.

### Sustainable material

Conforming with Global Recycled Standard 4.0 (GRS 4.0)

75% recycled material

Low VOC

Anti-Bacterial- Antibacterial testes in accordance with ASTM G 21- 15(2021).

### Environmental certification

GB/T 24001 / ISO 14001 Certified Environmental Management

GB/T 45001 / ISO 45001 Certified Occupational Health and Safety Management

Complies with the limits as set by RoHS Directive (EU)2015/863 amending Annex II to Directive 2011/65/EU

### Quality Management System

Sontext is certified to ISO 9001:2015

### Fire ratings

Fire rated to Australian, European and American Standards: Group 1 Fire Rating S5637ISO9705, ASTM E84 Class A, EN 13501 1:2007+A1:2009 Class B

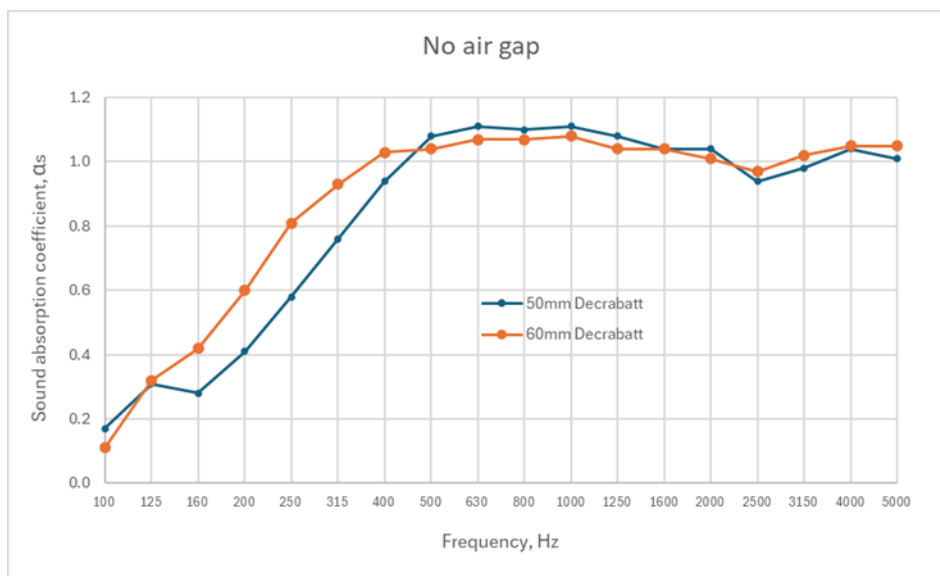
### Acoustic performance

Decrabatt provides design flexibility coupled with functional performance allowing the control of reverberated noise within a building interior. Various thicknesses are available providing differing acoustic absorption performance.

Frequency (Hz)	125	250	500	1000	2000	4000	SAA	NRC
<b>Decrabatt Acoustic Panel 25mm</b>	0.10	0.45	0.80	0.95	0.95	0.90		0.85
<b>Decrabatt Acoustic Panel 50mm</b>	0.25	0.60	1.05	1.10	1.00	1.00	0.95	0.95
<b>Decrabatt Acoustic Panel 60mm</b>	0.30	0.80	1.05	1.05	1.00	1.05	0.97	0.95

Notes: The table above shows the Practical sound absorption coefficients calculated according to ISO 11654 (note: values greater than 1.00 have not been maximised to 1.00 as required by ISO 11654 to calculate the  $\alpha_w$ ).

- Where shown, the Weighted sound absorption coefficient ( $\alpha_w$ ) was calculated according to ISO 11654. It is strongly recommended to use this single-number rating in combination with the complete sound absorption coefficient curve that can be obtained on request.
- Where shown, the SAA (Sound Absorption Average) and the Noise Reduction Coefficient (NRC) have been calculated according to ASTM C423.
- The chart below shows the third octave sound absorption coefficients for 50mm & 60mm Decrabatt measured according to ASTM C423 - Type A mounting.



## Product specifications

<b>Product Name:</b>	Decrabatt Acoustic Panel
<b>Composition:</b>	100% Polyester Fiber (PET)
<b>Thickness:</b>	25mm, 50mm, 60mm, 75mm ,100mm Tolerance (+/- 2mm)
<b>Panel Dimensions:</b>	2420mm x 1210mm, 2720mm x 1210mm Tolerance: Length (+/- 10mm) Width (+/- 5mm)
<b>Weight:</b>	25mm = nom. 2370gsm (95kg/m <sup>3</sup> ) 50mm = nom. 3906gsm (78kg/m <sup>3</sup> ) 60mm = nom.4390gsm (73kg/m <sup>3</sup> ) Tolerance (+/- 10%)  Note: 1kg/m <sup>3</sup> = 0.0624lb/ft <sup>3</sup>
<b>Thermal performance</b>	25mm Thermal conductivity 0.36W/(m.K) Thermal resistance 0.27(m <sup>2</sup> .K)/W
<b>Fire ratings</b>	Tested to AS ISO 9705 Corner Burn in accordance with AS 5637.1 <b>Group 1</b> - SMOGRA not more than 100m <sup>2</sup> /s <sup>2</sup> x 1000 ASTM E84-CLASS A BS 476 PART7 CLASS 1Y
<b>Installation</b>	Install as per Sontext recommendations. Please contact Sontext if Decrabatt is planned to be used other than a wall or ceiling covering.

For more information visit [www.decrasound.com.au](http://www.decrasound.com.au) or contact Sontext or an Authorized Distributor



Head Office Australia / Vic State Office  
Unit 2, 16 Poa Crt,  
Craigieburn , VIC Australia 3064  
T: +61 3 9432 2733  
E: [sales@sontext.com.au](mailto:sales@sontext.com.au)

Middle East Office  
Level 23, Boulevard Plaza 2  
Downtown Dubai—UAE  
T: +971 4 409 6863 E: [uae@sontext.com.au](mailto:uae@sontext.com.au)