

# R3B Acoustic Panel - Data Sheet Rev 2.5

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## Physical Properties

Maximum Service Temperature		350°C
Fire Hazard Properties	When tested in accordance to AS/ NZS 1530 Part 3-1999	<ul style="list-style-type: none"> <li>• Ignitability: 0</li> <li>• Spread of flame 0</li> <li>• Heat Evolved 0</li> <li>• Smoke Developed 0</li> </ul>
Corrosion Resistance	When tested in accordance with BS 3958: Part 5- 1969	pH 7.5-9.0
Moisture Absorption	When placed in a controlled atmosphere of 50°C and 95% relative humidity for 96 hours.	Less than 0.2% by volume
Flow Resistivity		0.5 x 10 <sup>4</sup> mks Rayls/m

## Sound Absorption (Coefficient)

Values Below are given in "Sabins" and are per square foot or unit.

0.0 = 0% absorption

0.5 = 50% absorption

1.0 = 100% absorption

Sound Absorption (NRC)	When tested in a reverberation chamber in accordance with AS 1045:1988	Thickness	Center Frequency (Hz)							
			mm	125	250	500	1000	2000	4000	5000
		55mm	0.22	0.55	0.96	0.99	1.02	1.09	1.12	0.90

**\*NRC: Arithmetic average of absorption coefficients of frequency 250Hz, 500Hz, 1000Hz, 2000Hz**

*\*Measurements are done according to a standard test method such as AS 1045:1988. In some cases, the measured sound absorption coefficient is greater than 1.00. As recommended by the test method, these values are reported as measured and not adjusted. Differences in coefficients of less than 0.15 are not significant.*