

# FIREPRO

## FIRE PROTECTIVE BUILDING PRODUCTS

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# FIREPRO B400 SPIRALITE

## Fire Protective Acoustic Insulating Board

**FIREPRO SPIRALITE** is a resin bonded mineral fibre board designed primarily for use as fire protection for structural steelwork. It does however exhibit other properties such as excellent sound absorption.

Typical sound absorption coefficient figures for 40mm and 50mm thicknesses are given below. Spiralite is stocked by Firepro Centabuild Ltd in 20mm, 30mm and 40mm thick sheets.

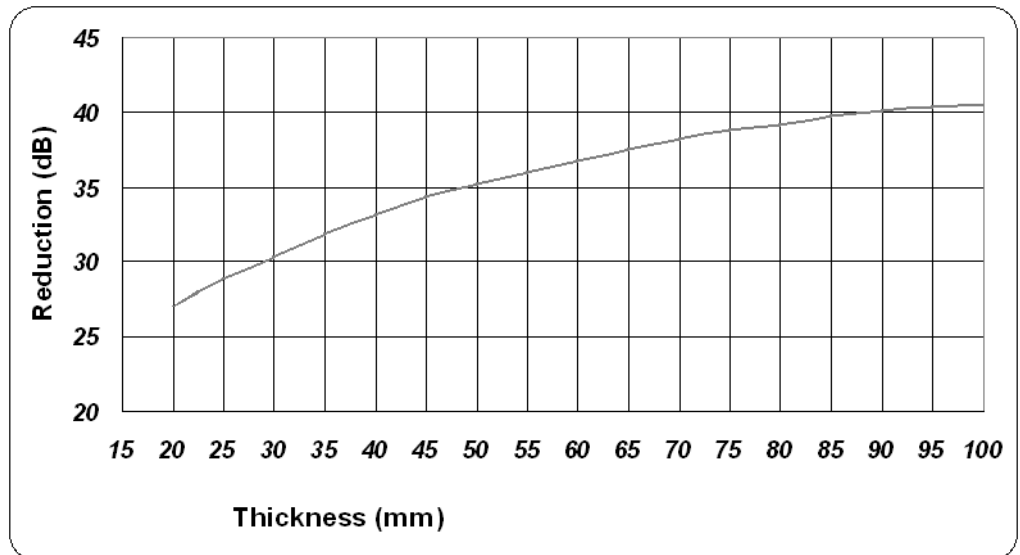
### 40MM Spiralite

Mean Frequency (Hz)	125	250	500	1000	2000	4000
Absorption Coefficient	0.15	0.65	0.89	10.7	1.08	1.15

### 50MM Spiralite

Mean Frequency (Hz)	125	250	500	1000	2000	4000
Absorption Coefficient	0.18	0.75	0.93	1.09	1.15	1.18

**Graph 1 - Spiralite Sound Reduction**



Where anticipated noise levels are above the requirement, Spiralite can be used to reduce noise to an acceptable level. Typical values are given in table 1. The sound reduction index is given in table 2 and shown in graph 1.

**Table 1 - Typical Sound Reduction Figures**

Thickness	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
20mm	12.0	18.0	24.0	30.0	36.1	42.1
30mm	15.5	21.5	27.5	33.6	39.6	45.6
40mm	18.0	24.0	30.0	36.1	42.1	48.1
50mm	19.9	26.0	32.0	38.0	44.0	50.0

**Table 2 - Sound Reduction Index**

Thickness	Index (dB)
20mm	27
30mm	36.6
40mm	33.1
50mm	35

*NOTE: The technical information and suggestions for use and application presented herein represent the best information available to us and are believed to be reliable. They should not however be construed as controlling suggestions and there is no warranty of performance of our materials either expressed or implied. We urge that users of our materials conduct confirmatory tests to determine final suitability for their specific end uses. All dimensions are nominal. We reserve the right to make changes or to withdraw designs and products without notice.*