

Plant Room Wall Lining Panels

Technical Data Sheet

PRODUCT

Plant Room Wall Lining Panels consist of borosilicate mineral fibres impregnated with a suitable resin binder faced with Type E alkali glass cloth.

FEATURES and BENEFITS

- Excellent sound absorption
- Light reflective
- Excellent Reaction to Fire performance
- Good thermal insulation
- Easy to handle, install, and clean
- Cost effective sound absorption
- Industrial finish
- The mineral fibre BRE Green Guide element number is 815320011; the summary rating is A

APPLICATIONS

CMS Danskin Acoustics Plant Room Wall Lining Panels provide an effective means of controlling reverberation time and reflected sound in plant rooms. They are typically suitable for industrial applications such as Plant Rooms, engine enclosures, test cells and workshops.

PHYSICAL INFORMATION

Dimensions

Thickness (mm)	Weight (kg/m ²)	Sheet Size (mm)
25	2.5	1200 x 600
50	5.0	1200 x 600
75	7.5	1200 x 600
100	10	1200 x 600

The above sizes and weights are nominal.

TECHNICAL INFORMATION

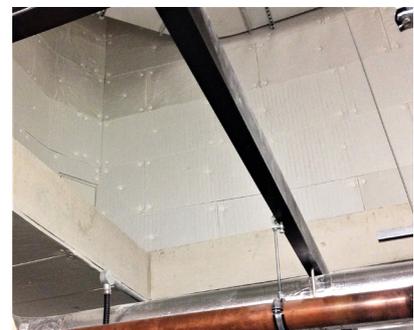
Reaction to fire classification

A2-s1,d0 (BS EN 13501-1:2018) using specified fixings without plastic cover caps.

Test certificates available upon request.

WATER RESISTANCE

The borosilicate mineral fibres repel water due to the presence of water repellent additives. Moisture condensing from the air within the core is less than 0.02% by volume at 95% relative humidity.

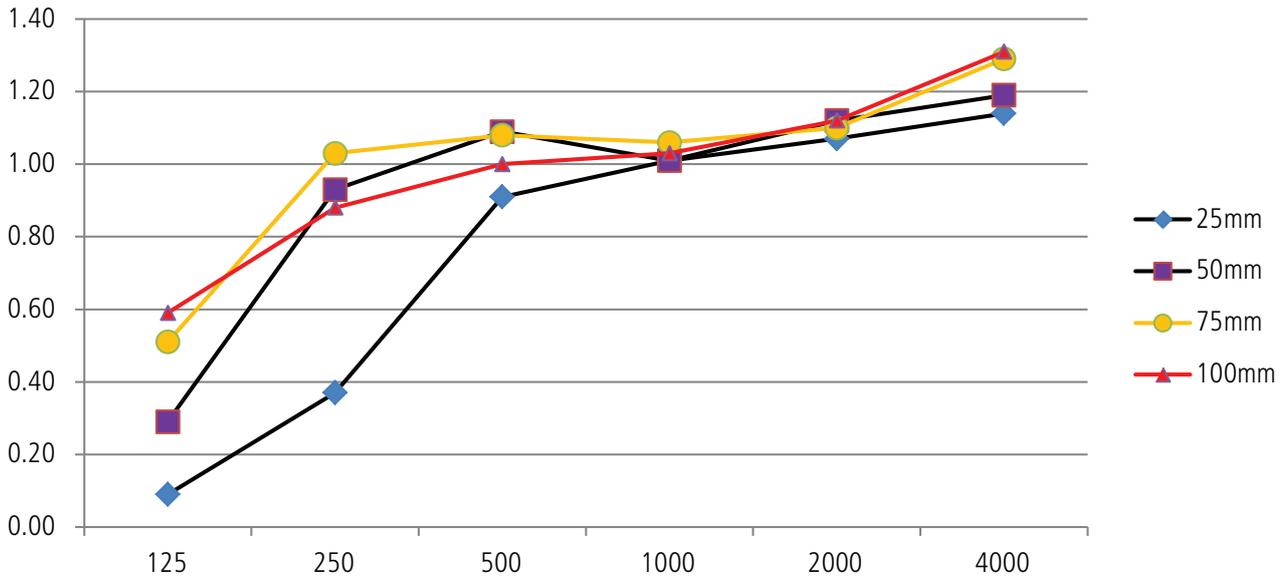


ACOUSTIC PERFORMANCE

The noise absorption co-efficient is expressed as a factor between 0 and 1.0. The more sound that a material absorbs, the higher the noise absorption coefficient. The noise absorption co-efficient for our Plant Room Wall Lining Panels, as tested to BS EN ISO 354:2003 is:

Thickness	Frequency							Absorption Class
	125	250	500	1k	2k	4k	NRC	
25mm	0.09	0.37	0.91	1.01	1.07	1.14	0.85	C
50mm	0.29	0.93	1.09	1.01	1.12	1.19	1.05	A
75mm	0.51	1.03	1.08	1.06	1.10	1.29	1.05	A
100mm	0.59	0.88	1.00	1.03	1.12	1.31	1.00	A

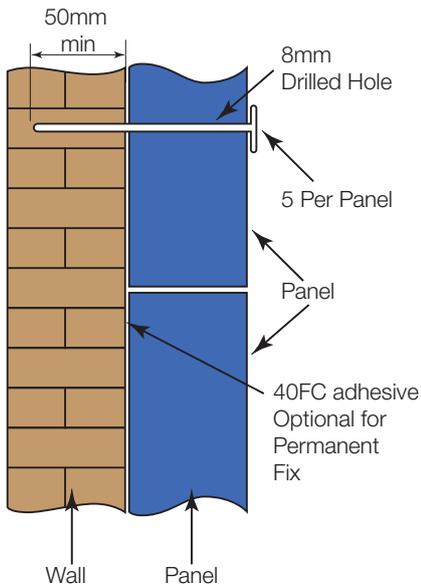
Test certificates available upon request.



THERMAL CONDUCTIVITY

Thickness (mm)	Thermal Conductivity W/mC at 50°C
25	0.038
50	0.039
75	0.040
100	0.040

INSTALLATION



Fischer fixings:
 25mm thick panels
 DHM40 (80mm long)
 Art.NO 536253
 50mm thick panels
 DHM70 (110mm long)
 Art.NO 536254
 75mm thick panels
 DHM100 (140mm long)
 Art.NO 236256
 100mm thick panels
 DHM130 (170mm long)
 Art.NO 236257



1. Hammer fixings are supplied loose.
2. Drill the substrate with a 8mm \varnothing drill to a minimum depth of 50mm.
3. Cut a small X into the panel face lining up the pre-drilled holes.
4. Optional for a permanent fix apply CMS Danskin Acoustics supplied 40FC adhesive to the rear of the panel as shown.
5. Insert fixings into the panel pushing all the way through.
6. Line up the anchors into pre-drilled holes and push home.
7. Tap the hammer fixing head level with the surface of the panel.

Plastic cover caps are available for the fixing heads. These were not installed during the Reaction to Fire testing reported on page 1.

