Plant Room Wall Lining Panels

CMSDANSKIN ACOUSTICS

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.

Also suitable for use on ceilings.

PHYSICAL INFORMATION

Plant Room Wall Lining Panel

Product Code	Thickness (mm)	Sheet Size (mm)	Weight (kg/m^2)
10741859	25	600 x 1200	2.5
10741860	50	600 x 1200	5.0
10741861	75	600 x 1200	7.5
10741862	100	600 x 1200	10.0

The above sizes and weights are nominal.

WATER RESISTANCE

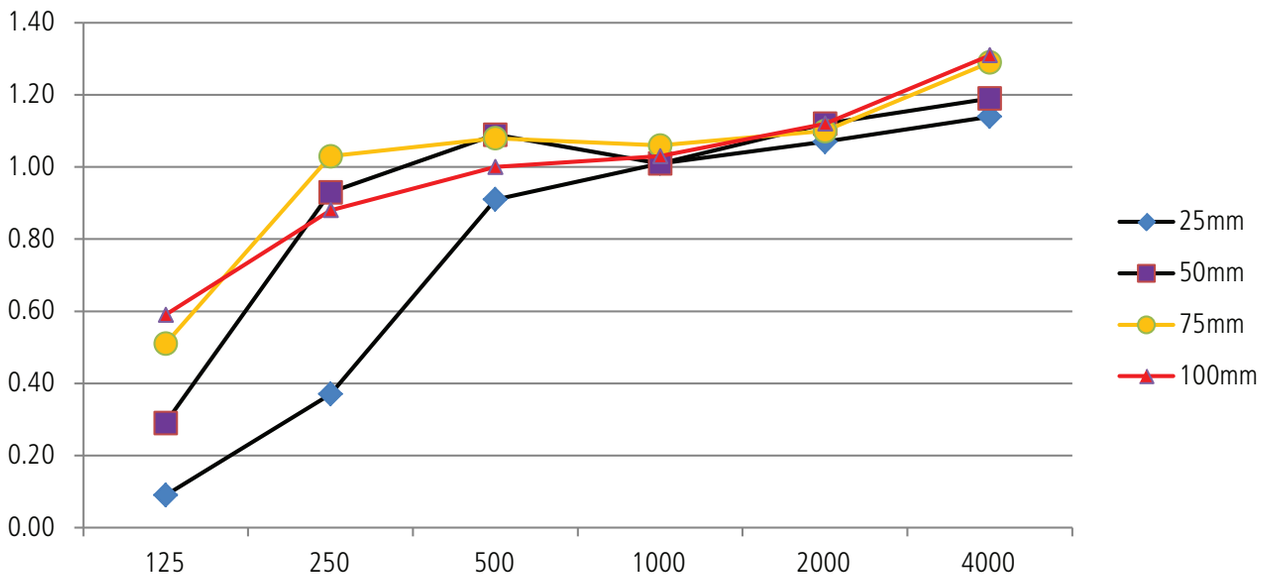
The borosilicate mineral fibres repel water due to the presence of water repellent additives. Moisture condensing from the air within the core is less than 0.02% by volume at 95% relative humidity.

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

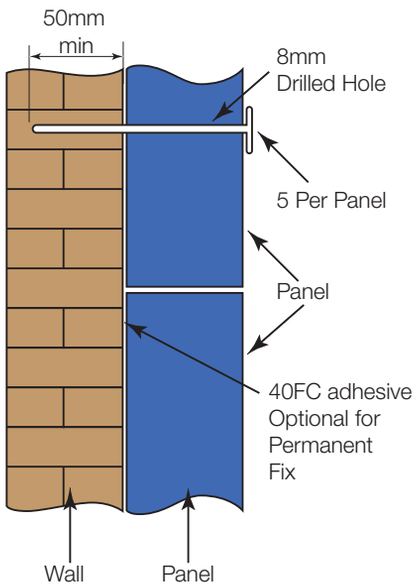
Test certificates available upon request.



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

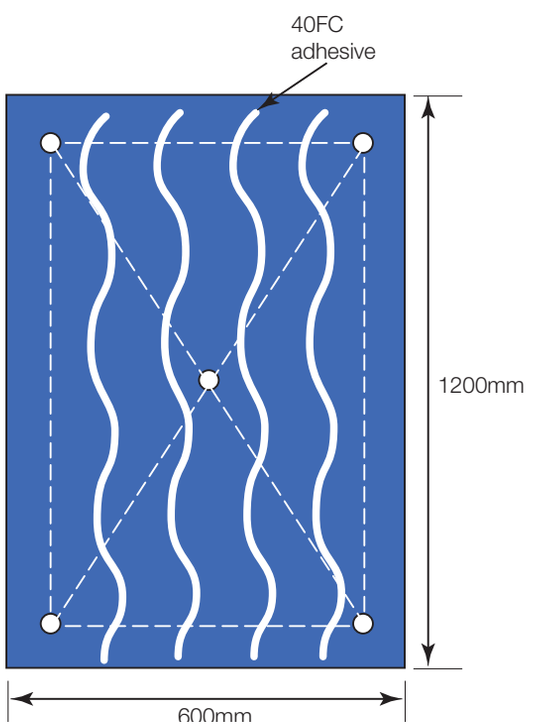
50mm thick panels
DHM70 (110mm long)
Art.NO 536254

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 ø 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.



We can supply (to special order) a product with EN 13501-1:2018 Reaction to Fire classification of A2-s1,d0. This utilises a unique combination of components compared to the standard product to achieve classification. Please ensure at enquiry to clearly stipulate the classified product as listed below:

Plant Room Wall Lining Panel (PA) - *Classified

Product Code	Thickness (mm)	Sheet Size (mm)	Weight (kg/m²)
10741854	25	600 x 1200	2.5
10743604	50	600 x 1200	5.0
10741857	75	600 x 1200	7.5
10743605	100	600 x 1200	10.0

The above sizes and weights are nominal.

CMSDANSKIN ACOUSTICS

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