# 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
- · 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.



# **Plant Room Wall Lining Panel**

Product Code	Thickness (mm)	Sheet Size (mm)	Weight (kg/m²)
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.







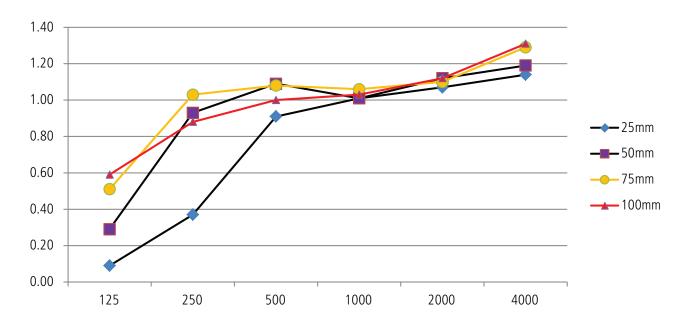


# **ACOUSTIC PERFORMANCE**

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

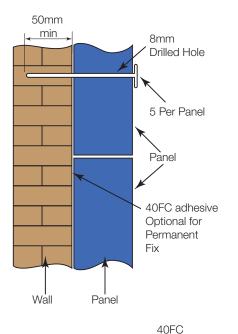
Test certificates available upon request.



# 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

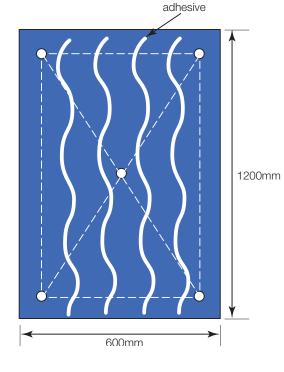
50mm thick panels DHM70 (110mm long) Art.NO 536254

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.



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 Black (PA) - \*Classified

Product Code	Thickness (mm)	Sheet Size (mm)	Weight (kg/m²)
10755291	25	600 x 1200	2.5
10755292	50	600 x 1200	5.0
10755293	75	600 x 1200	7.5
10755294	100	600 x 1200	10.0

The above sizes and weights are nominal.







IMPORTANT: The information provided within this document is believed correct and to the best of our available knowledge at its revision date and is provided as suggestion for safe handling, storage, transportation, use and disposal. The information should not be considered obligation in respect of warranty of (technical) performance, quality (specification) or suitability for any application or design. The customer must satisfy themself the product (or draft specification) are relevant and suitable for their need and design intent. Prospective users should test a sample of product under their own conditions to satisfy themselves of its suitability for intended purpose and that expert advice be sought where different applications are contemplated. Due to our policy of continuous improvement we reserve the right to alter or amend published specification or design without prior notice. Reproduction of any part of this publication in any manner is not permitted without our prior written consent.