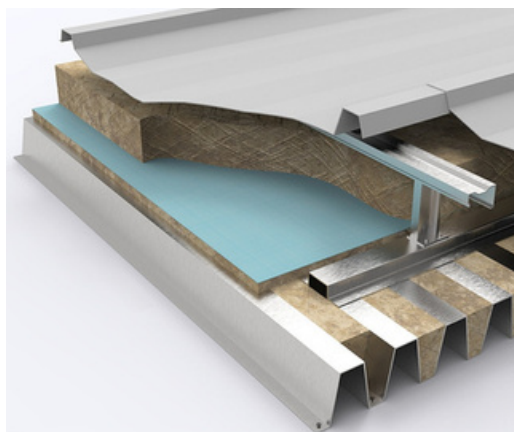


TRAPEZOIDAL ACOUSTIC ROOF INFILLS



DESCRIPTION:

CCL Acoustic Infills consist of rigid slabs of non-combustible mineral wool that have been factory cut to suit the upper profile of structural metal roof decks.

PURPOSE:

CCL Acoustic Infills are designed to prevent reverberation and improve the acoustic environment in buildings with large areas of hard internal surfaces such as leisure centres, school sports halls and swimming pools.

BENEFITS:

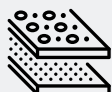
- Supplied to suit any profiled roofing sheet
- Simple to install
- Excellent acoustic absorption
- Water repellent
- Maintenance free

Specification



Dimensions

CCL Acoustic Infills are normally supplied 1200mm long and are factory cut to fit the relevant roof profile. Shorter lengths are available upon request. The product can be supplied un-faced although where it is used with perforated metal decks, it is normally faced on the lower three sides with black or white glass tissue. Alternatively, it can be faced on all four sides to further decrease the risk of fibre migration.



Density:

CCL Acoustic Infills are available in the following grades;
45kg density mineral wool core
60kg density mineral wool core
100kg density mineral wool core



Standards & Performance:

The mineral wool slabs used in the production of CCL Acoustic Infills achieves a fire classification of Euroclass A1 as defined in BS EN 13501 - 1.

The use of CCL Acoustic Infills can contribute towards the satisfaction of a requirement for a ceiling with Class C acoustic absorption.

See Approved Document E and Building Bulletin 93 (The Acoustic Design of Schools) for guidance.



Handling, Installation & storage:

CCL Acoustic Infills should be handled in such a way as to ensure that they are clean and undamaged when installing directly into the upper trough of the profiled roofing sheet. All joints should be tightly butted and, where necessary, lengths can be trimmed using a sharp knife or a finely serrated saw.

CCL Acoustic Infills are supplied on shrink-wrapped hooded pallets, suitable for short-term protection.

For longer term protection on site the product should either be stored indoors or under cover.

The product should be stored dry, flat and off the ground, should not be left permanently exposed to the elements and must be protected from prolonged exposure to sunlight.

Once the packaging is removed or damaged, the product should be kept under cover indoors or protected from the elements by a weatherproof cover.

In coastal locations where weather is more extreme and bird damage is more common, use additional covering or store indoors.



sales@concept-conversions.co.uk



01933-673100



www.concept-conversions.co.uk



Unit 13, Trinity Centre,
Park Farm Industrial Estate,
Wellingborough, Northants,
NN8 6ZB.



TRAPEZOIDAL ACOUSTIC ROOF INFILLS



Dimension/Density

Concept Trapezoidal Acoustic Infills - White/Black Tissue Faced			Density Range		
Profile	Dimensions	No Per Pallet	45kg/m ³	60kg/m ³	100kg/m ³
D32	32mm x (24mm x 72mm) x 1.2mtr	1430	✗	✗	✓
	35mm x (34mm x 89mm) x 1.2mtr	1300	✗	✗	✓
TR35	35mm x (34mm x 75mm) x 1.2mtr	1300	✗	✗	✓
D35	46mm x (67mm x 120mm) x 1.2mtr	600	✗	✓	✓
D46	60mm x (64mm x 110mm) x 1.2mtr	480	✓	✓	✓
D60	100mm x (63mm x 124mm) x 1.2mtr	240	✓	✓	✓
D100	135mm x (43mm x 165mm) x 1.2mtr	150	✓	✓	✓
D135	137mm x (43mm x 166mm) x 1.2mtr	150	✓	✓	✓
D137	153mm x (40mm x 161mm) x 1.2mtr	156	✓	✓	✓
D153	159mm x (38mm x 142mm) x 1.2mtr	156	✓	✓	✓
D159	200mm x (75mm x 170mm) x 1.2mtr	100	✓	✓	✓
D200			✓	✓	✓

Items marked with an ✗ are not generally available due to the product being very poor to handle on site, resulting in high wastage. Other dimensions & Deck Profiles are available upon request.



Acoustic Absorption

Acoustic Absorption co-efficients - S = Solid Backing - C = Cavity							
Thickness	45Kg/m ³						
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC
25S	0.05	0.25	0.55	0.75	0.9	1.00	0.61
40S	0.14	0.40	0.87	1.00	1.00	1.00	0.82
50S	0.25	0.65	1.05	1.10	1.05	0.95	0.96
75S	0.50	1.05	1.20	1.15	1.10	0.95	1.13
100S	0.80	1.15	1.20	1.15	1.15	1.00	1.16
50C	0.45	0.95	0.80	0.95	0.95	1.00	0.91

Acoustic Absorption co-efficients - S = Solid Backing - C = Cavity							
Thickness	60Kg/m ³						
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC
25S	0.10	0.20	0.65	0.85	1.00	0.90	0.68
40S	0.13	0.49	0.95	1.00	1.00	1.00	0.86
50S	0.25	0.65	1.05	1.10	1.10	0.95	0.98
75S	0.55	1.10	1.20	1.15	1.15	1.05	1.15
50C	0.45	0.90	0.80	0.90	0.95	0.95	0.89

Acoustic Absorption co-efficients - S = Solid Backing - C = Cavity							
Thickness	100Kg/m ³						
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC
25S	0.05	0.30	0.70	0.95	1.05	1.00	0.75
40S	0.12	0.44	0.88	1.00	1.00	1.00	0.83
50S	0.35	0.85	1.10	1.10	1.15	1.10	1.05
75S	0.44	1.00	1.00	1.00	1.00	1.00	1.00
50C	0.65	0.95	0.80	0.90	0.95	1.00	0.90