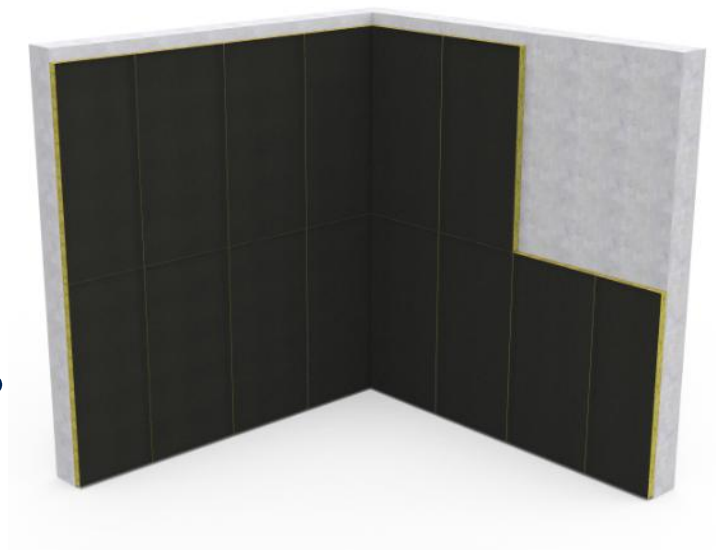


# Siderise CLS acoustic lining slab

A black glass tissue faced stone wool slab used for acoustic treatment on walls and ceilings/soffits.



## Application

Siderise CLS acoustic lining slab was developed to provide acoustic absorption for walls and ceilings/soffits. Siderise CLS acoustic lining slab can be used in many different applications such as; auditoria, public buildings, commercial buildings, plant rooms and cinemas. Siderise CLS acoustic lining slab is supplied with a plain black glass tissue facing, typically a secondary aesthetic finish is installed to suit the application. Typical uses include:

- Walls, post covered with stretched fabric or loose fabric (e.g., pleated or hanging frapes)
- Walls, post covered with spaced slats, slotted or perforated timber, or perforated metal sheet
- Soffits, with semi open suspended ceilings below
- Plant room walls and ceilings, retained behind perforated metal sheet (25% or 33% open area)
- Rear of screen areas in Cinemas (Wall / Ceiling surfaces)

## Product Description

Siderise CLS acoustic lining slab is a resin bonded stone wool sound absorbing base material, faced on the exposed surface with a black non-woven glass fabric. The facing is applied by an open structured adhesive to provide consistent sound absorbing properties. The black glass tissue facing helps to prevent fibre shedding from the face of the stone wool.

## Acoustic Performance

The product's acoustic performance is tested in accordance with BS EN 20354:1993, ISO 354. Octave band Sound Absorption Coefficients for various grades of the product are given below in Table 1.

**Table 1 – Acoustic performance**

Sound Absorption Coefficients

Product	Thickness (mm)	Sound Absorption Coefficients						$\alpha_w$	NRC	Absorption Class
		125Hz	250Hz	500Hz	1kHz	2kHz	4kHz			
CLS2	50mm	0.20	0.60	1.04	1.09	1.05	1.02	0.90	0.95	A
CLS2	100mm	0.62	1.13	1.19	1.10	1.07	1.02	1.00	1.10	A

## Reaction to Fire Performance

In terms of 'Reaction to Fire', the products are classified to EN 13501-1:2019. See Table 2.

**Table 2 - Reaction to Fire performance**

Product Grade	Thickness Range	Building Regs (Approved Document B) European Class (to EN 13501-1)
CLS2	20mm-100mm	A2-s1, d0

## Thermal performance

Thermal conductivity,  $\lambda$ , tested to EN 12667: 0.034 W/mK

## Sizes and fixing requirements

Dependent on the size and thickness of Siderise CLS acoustic lining slab used, and the orientation, the number of fixings required will alter. The information in Table 3 is offered as guidance only.

**Table 3 – Sizes and fixing requirements**

Product	Thickness	Orientation	1200 x 600mm	1200 x 900mm	1200 x 1000mm
CLS	25-75mm	Vertical (Wall)	6	9*	9
CLS	100mm	Vertical (Wall)	8	12*	12
CLS	25-100mm	Horizontal (Ceilings)	8	12*	12

(\*special size available subject to MOQ).

In general, Siderise CLS should be fixed using insulation hanger, recommended types are:

PP1 comprises two black polymer components a perforated base plate with projecting pin and a non-return washer.

IH3 is broadly similar to PP1 except that the components are produced from galvanised mild steel.

For further details please refer to 'Siderise Guidance Notes for Fixing CLS System'.

**Products available**

The following Siderise products for use the Interiors Sector are available:

- Siderise AVC acoustic void closures for tops of walls
- Siderise BM/P series barrier mat
- Siderise CBX flexible acoustic barriers
- Siderise CLS acoustic lining system
- Siderise CVB/LAM acoustic barriers for suspended ceilings
- Siderise CVB/P10 acoustic barriers for suspended ceilings and raised access floors
- Siderise DWX duct acoustic barriers
- Siderise FLX foam based flexible acoustic barriers
- Siderise MC mullion overlaid system

Contact us for a copy of our building acoustics range brochure.

Contact us for further information on our CPDs

## Further information

**Technical support**

For further information please contact our technical team at the address below.

**Sales & Technical**

Sales support	Technical support
Internal Sales Team	Technical Team
+44(0)1473 827695	+44(0)1473 827695
sales.sspl@siderise.com	technical.sspl@siderise.com

**Siderise (Special Products) Limited**

Lady Lane Industrial Estate, Hadleigh, Suffolk IP7 6BQ  
United Kingdom

The information published herein is given in good faith and is believed to be accurate at the time of publication. Please check that this version is current. Siderise has a policy of continuous product improvement and reserves the right to alter or amend the specifications of products without prior notice. Siderise does not accept responsibility or the consequences of using the products and systems described outside of any given recommendations within this document or its other official documentation. Recommendations for use should be verified in regard to the suitability and compliance with actual requirements, specifications and any applicable laws, codes, and regulations. Expert advice should be sought where there is any doubt about the correct specification or installation of Siderise products and systems.