

# Reflecta Sound

## SOUND ABSORBERS



NBS Source  
PARTNER

Datasheet 41



### The Products

Decorative fabric covered wall and ceiling panels, specially designed to absorb high levels of reflective noise. Made from dense, sound absorbing mineral fibre board and available in standard Cara and Lucia fabrics which meet the requirements of Class 1 Surface Spread of Flame when tested to BS476:Part7 1997. Thermal conductivity: 0.033 Wm/k@10°C.

### Sizes, Colours and Finishes

Standard and bespoke sizes available up to a maximum of 3.0m x 1.2m. Two standard fabric finishes (Cara and Lucia) available in a wide choice of colours. Various thicknesses available in BS Absorber Classifications from A to D. Reflecta Sound can be customised as an Art Panel using a supplied graphic or photographic image (360DPI recommended) to a maximum size of 1.2m x 3.0m (min order 2 panels or 1m<sup>2</sup>).

### Typical Applications

Schools, Theatres, Call Centres, Receptions, Conference Rooms, Retails, Public Buildings

Domestic Dwellings | Offices | Hotels | Conference Centres | Leisure Centres | Schools | Restaurants | Showrooms



Unit 32-34 Waters Meeting Development  
Britannia Way, Bolton, BL2 2HH

Sales helpline **01204 548400**  
8.30am - 5.00pm Monday to Friday

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[www.acoustic-supplies.com](http://www.acoustic-supplies.com)



## The Products

The range features several decorative fabric covered wall and ceiling panel systems. Reflecta Sound Fabric Panels are manufactured from dense mineral fibre board and are designed to absorb high levels of reflective noise within a room to create a comfortable acoustic environment.

Choice of panel depth is based on the calculated reverberation times in relation to the wall or ceiling area available.

### Reflecta Sound Fabric Panels

The Fabric Panel Range can be adapted to suit wall and ceiling space limitations and meet acoustic requirements. They are used to partially cover walls or ceilings for architectural effect or where complete wall or ceiling coverage is impractical. Fabric Panels are generally installed individually with shadow gap spacing. All panels are available in standard or bespoke sizes based on straight edged shapes, i.e. square or rectangular in 25mm, 40mm and 50mm depths. Light weight to handle and particularly useful for covering large wall and ceiling areas, Fabric Panels are fabric covered to the visible panel face only.

## Colours and Finishes

JCW offer two fabric ranges as standard; Cara fabric has an open hessian weave appearance while Lucia fabric provides a crepe texture finish.

## Fire Performance

The Cara and Lucia fabrics all meet the requirements of Class 1 Surface Spread of Flame when tested to BS476: Part 7 1997.

**Thermal Conductivity:** 0.033 Wm/K @ 10°C

## Packaging, Handling and Storage

All panels should be stored inside and under cover in a dry, well ventilated area protected from dirt and dust. Pallets and crates should be kept level and not double stacked. To avoid soiling the fabric, great care must be taken when handling.

## Application and Fixing

Whilst panels can be supplied in pre-cut shapes and sizes, some cutting on site may be required to accommodate light switches, power sockets etc. The Reflecta Sound range can be supplied with velcro or picture hook fixings.

## Care and Maintenance

Panels can be cleaned periodically with a low powered vacuum cleaner. Under no circumstances should they be cleaned using water. Stains can be touched out with an appropriate cleaning solution applied in accordance with manufacturers instructions.

## Availability

Panels are available to order and should only be fitted by suitably qualified tradesmen or specialist contractors.

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## Acoustic Performance

Product	Thickness mm	Sound Absorption Co-efficient (tested to BS EN ISO 354:2003)					
		125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
Reflecta Sound Fabric Panels	25	0.3	0.42	0.87	1.00	1.00	1.00
	40	0.5	1.00	0.9	0.9	0.85	0.9
	50	0.7	1.00	1.00	1.00	1.00	1.00

\*Figures quoted are when panels are fixed directly to a wall.

## Dimensions

Product	Thickness mm	Maximum Height mm **	Maximum Width mm
Reflecta Sound Fabric Panels	25	3000	1200
	40	3000	1200
	50	3000	1200

## Technical Advice

Our qualified and experienced acoustic team can provide architects, consultants and contractors with detailed technical advice on product specifications, suitability, installation and reverberation time (RT) calculations needed to meet the required acoustic performance.

## Operating Temperature

Reflecta Sound products are suitable for normal building temperatures.

## Building Regulation Classification

Product	Thickness mm	Absorber Classification (When tested to BS EN ISO 11654-1997)
Reflecta Sound Fabric Panels	25	C
	40	A
	50	A

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