

# isocheck™

## ReVerb Wall Panels



### FABRIC FACED PANEL SYSTEM FOR WALLS

- New build
- Refurbishments
- Conversions



### DESCRIPTION

- ❑ Isocheck ReVerb Wall Panel systems are designed to absorb sound and reduce reverberation noise in areas with hard surfaces.
- ❑ The panels feature a high performance, lightweight core wrapped in a preselected fabric.
- ❑ The panels reduce sound reflection and reverberation/echo noise resulting in more productive, safer and comfortable environments.
- ❑ Uses include education facilities, offices, theatres, recording studios, home cinemas, interview rooms, sports halls, churches, restaurants, lobbies and waiting rooms.
- ❑ For situations where emphasis is on significantly reducing reflective sound energy whilst creating an attractive, colourful and decorative environment.

### BENEFITS OF REVERB WALL PANELS

- ❑ available in 11 standard sizes (including 3 circles) or as a customised size.
- ❑ outstanding acoustic/sound absorption properties - Class A.
- ❑ over 70 standard fabric colours.
- ❑ bespoke finishes available.
- ❑ core is fire rated to BS476:Part 6.



Taking the *mystery* out of Acoustics

## Product data:

Panel sizes*:	1200 x 900mm; 1200 x 1200mm; 1200 x 1500mm; 1200 x 1800mm; 1200 x 2100mm; 1200 x 2400mm; 1200 x 2700mm; 1200 x 3000mm; 600mm diameter; 800mm diameter; 1200mm diameter
Thickness & weight:	40mm = Class A • 4.5kg/m <sup>2</sup>
Panel core:	Recycled material Class 0 fire rated to BS476:Part 6
Fabric covering:	Cara/Lucia - Class 1 to BS476:Part 7 & EN1350-1 Class B, s1, d0
(Fire performance)	Sonus - EN1350-1 Class B, s1 d0 • Bondai - EN13501 Class C, s1, d0

\*Other sizes are available special to order.

## ISOMASS DESIGN SERVICE

As part of the Isomass design service we can also supply you with a guide (on request to [technical@isomass.co.uk](mailto:technical@isomass.co.uk)) as to the approximate area of panels required to treat a specific room based on the following criteria.

- ☐ Room dimensions
- ☐ Description of the existing surfaces within the room (ie plasterboard ceiling or wood block floor)
- ☐ The function of the room (ie coffee shop or assembly hall)

This estimate would be calculated based on government guidance "Building Bulletin 93" but is not always followed to the letter because the internal surface area of the subject room may not offer the necessary available surface area.

In these circumstances Isomass will be able to offer alternative suggestions as to how to achieve the guidance or you may simply choose to apply less absorption than was suggested simply because you deemed it sufficient.

It can afterall be a subjective subject and can be enhanced with fabric covered furnishings or curtains.

## Fire

All ReVerb Wall Panels have a non-combustible core and comply with fire tests BS476: Part 6 to achieve UK Building Regulations Class 0 performance. For fabric ratings see the Product data table above.

## Performance

Acoustic test data is provided below. All the data we publish has been generated in approved acoustic testing facilities according to recognised acoustic test standards. Certificates are available on request.

Panel Thickness	Mounting method*	Absorption/frequency band						Absorber Class	
		125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC	Class
40mm	Flush	0.18	0.72	0.98	1.06	1.07	1.06	0.95	B

























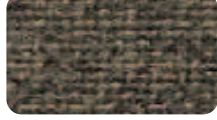
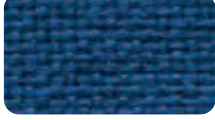
\*Mounting method describes whether the panel was tested flush against the wall or with an air gap behind it

Every effort has been taken in the preparation of this sheet to ensure the accuracy of representations contained herein. Recommendations as to the use of materials, construction details and methods of installation are given in good faith and relate to typical situations. However, every site has different characteristics and reliance should not be placed upon the foregoing recommendations. Advice can be given as to specific applications of the products, upon request to isomass building products.

















## CARA fabric range

					
<b>Vit</b> EJ184	<b>Glass</b> EJ004	<b>Dolphin</b> EJ105	<b>Galilee</b> EJ125	<b>Adriatic</b> EJ154	<b>Inverness</b> EJ175
					
<b>Lead</b> EJ104	<b>Spray</b> EJ033	<b>Lomond</b> EJ192	<b>Austen</b> EJ173	<b>Beltane</b> EJ193	<b>Shetland</b> EJ191
					
<b>Lossie</b> EJ197	<b>Tummel</b> EJ038	<b>Pitlochry</b> EJ076	<b>Maree</b> EJ195	<b>Fairisle</b> EJ186	<b>Staffa</b> EJ185
					
<b>Lora</b> EJ187	<b>Ronay</b> EJ189	<b>Easdale</b> EJ188	<b>Walten</b> EJ011	<b>Portland</b> EJ016	<b>Merrick</b> EJ048
					
<b>Chaucer</b> EJ172	<b>Hillswick</b> EJ190	<b>Denny</b> EJ196	<b>Black</b> EJ138	<b>Clan</b> EJ169	<b>Carron</b> EJ015
					
<b>Lerwick</b> EJ194	<b>Cluanie</b> EJ180				

Please note that all colours are representative of the actual colours which may vary in shade or texture.

## LUCIA fabric range

					
<b>Adobo</b> YB165	<b>Martinique</b> YB004	<b>Bluebell</b> YB097	<b>Marianna</b> YB157	<b>Steel</b> YB095	<b>Ocean</b> YB100
					
<b>Campeche</b> YB301	<b>Madura</b> YB156	<b>Apple</b> YB096	<b>Windjammer</b> YB047	<b>Montserrat</b> YB011	<b>Paseo</b> YB019

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## LUCIA fabric range continued



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## SONUS fabric range



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Isocheck ReVerb Wall Panel is applied to the wall with impaling clips and contact adhesive.

Ensure all wall surfaces to which the panels will be applied to are clean and dry and free from decorative wall coverings such as wallpaper. The panel can then be simply applied to the wall by using the combination of the impaling clips and contact adhesive.

It is wise to check the panels thoroughly against the rooms lighting especially since the introduction of different shades of white in our LED and fluorescent bulbs. Also it is common for a structure to be out of square where our panels may conflict so do remember to leave yourself a shallow untreated border.

Then with the appropriate adhesive and fixings apply the panels.

## Step 1

Lightly trace the panel edges onto the desired installation area. Then fix the appropriate number of clips using screws.

## Step 2

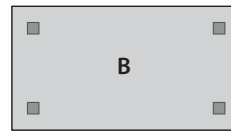
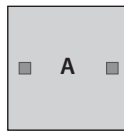
Spray the contact adhesive horizontally onto the desired installation area and vertically onto the back of the panels. Be sure to spray over the clips.

\*Contact Adhesive should be applied to 100% of the surface area on both surfaces\*

## Step 3

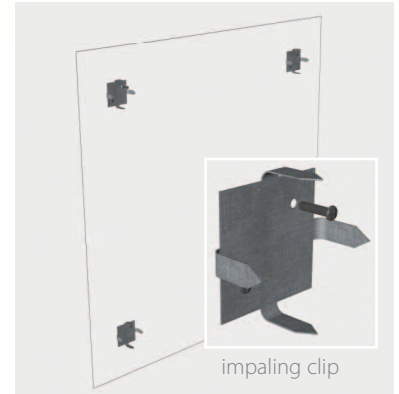
After waiting for the adhesive to dry (2-5 minutes at 23°C) carefully align the panel to the marked area and push gently - allowing the clip spikes to bite into the back of the panel.

Once confident with the panel positioning, press firmly over the entirety of the surface and ensure maximum contact has been made with the wall.

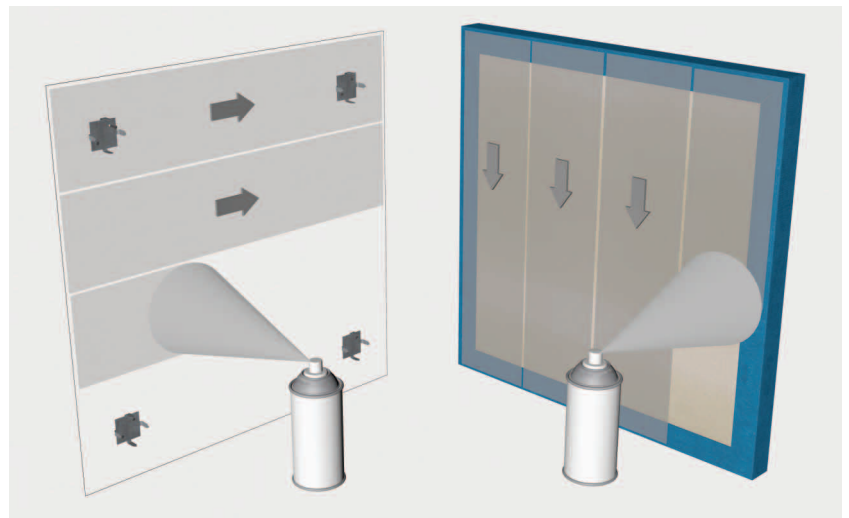


Recommended number of fixings for up to 1200 x 1200mm panels (A) and up to 1200 x 3000mm panels (B).

Note: panels will be supplied with the correct depth (to suit panel thickness) and required number of impaling clips.



## Step 1



## Step 2



## Step 3

## SPECIFICATION

The acoustic wall shall be:

- ☐ Isocheck ReVerb Wall Panels, supplied by Isomass Ltd. Unit 14 Papworth Business Park, Stirling Way, Papworth Everard, Cambridgeshire CB23 3GY and installed in accordance with manufacturer's instructions / recommendations.
- ☐ Size of panel: ..... mm (thickness) x ..... mm (height) x ..... mm (width)
- ☐ Fabric colour to be chosen from Isomass standard range:  
 Cara Colour: EJ ..... Lucia Colour: YB ..... Sonus Colour: FHR..... Sonus Colour: FHU.....

## Delivery, Storage & Handling

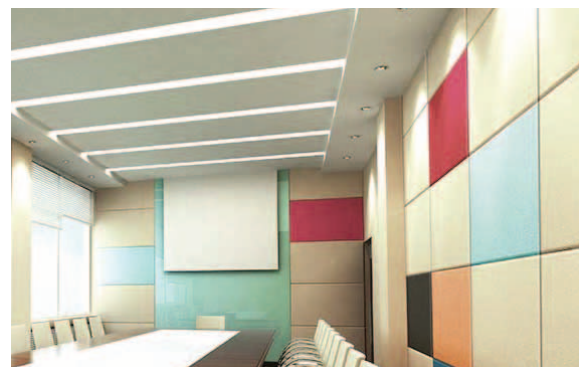
Protect ReVerb Wall Panels from excessive moisture when storing & handling.

## Maintenance

ReVerb Wall Panels can be cleaned periodically with a low powered vacuum cleaner. Avoid using water on the panels and refer to our treatment guide to remove stains.

## Support

Isomass supply ReVerb Wall Panels throughout the UK and Europe. Support for specifiers includes technical advice, relevant data sheets and product samples where required.



## Installation service

Isomass has approved installers in some areas of the UK. Alternatively we can support your installers to ensure the product is installed correctly.

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**[www.isomass.co.uk](http://www.isomass.co.uk)**

  
building acoustics

Isomass Limited, Unit 14 Papworth Business Park,  
Stirling Way, Papworth Everard, Cambridgeshire CB23 3GY  
Tel: 0330 175 8228 • Email: [info@isomass.co.uk](mailto:info@isomass.co.uk)  
[www.isomass.co.uk](http://www.isomass.co.uk)