

EchoBlock® 24mm

PRODUCT SPECIFICATION

APPLICATION GUIDE



What is EchoBlock®?

EchoBlock® is an adaptable acoustic panel designed to fit any workstation type with a fabric like finish. It is a direct response to ecological sustainability and environmental quality requirements facing contemporary interior design and fit out.

Environmental Performance

EchoBlock® 24mm is made from 100% PET (Polyethylene Terephthalate) which, depending on color contains 60% post-consumer content and is fully recyclable. EchoBlock® is centered on the concept of dematerialization. EchoBlock® achieves GreenTag Certification LCARate: GOLD Plus, GreenRate: Level A.

ECHOJAZZ offers a full stewardship program and will take back product at the end of its life as well as recycle uncontaminated EchoBlock® off cuts. It has been designed for recycling into another generation of product in collaboration with industry partners. Woven Image is committed to sustainable design and completing the loop in the EchoBlock® environmental story.

Non Hazardous Materials

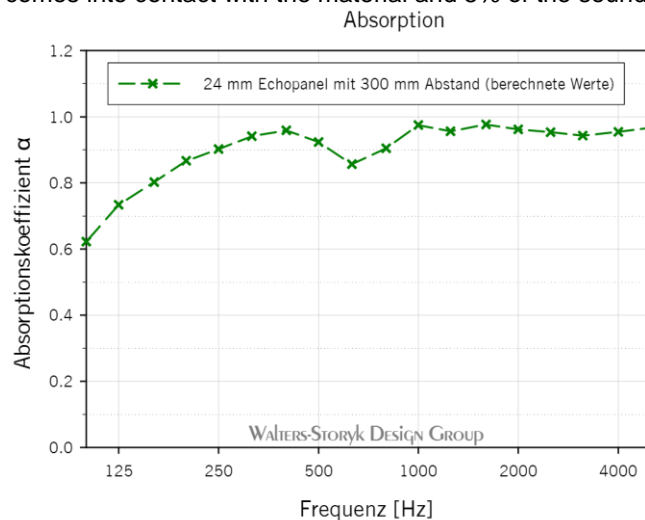
With regards to many furniture assemblies, substrates containing formaldehyde are still being actively used. These materials emit dangerous off gasses over a period of years. Some zero emission products are used in certain parts of assembly but not exclusively, causing a potentially hazardous working environment. The base fiber is certified to Oeko-tex Standard 100 for meeting human-ecological requirements and is certified by TESTex, Zurich, Swiss Textile Institute, a leading body in environmental textile accreditations. There are no harmful effects in the coloration of EchoBlock® as this fiber is colored whilst it is still a solution. All the dyes used stay in the solution and effectively become fiber so there is no waste.

EchoBlock® only emits a total VOC emission rate according to ASTM D5116: <0.02 mg/m²/hr (over 7 days).

When used as a vertical screen divider in conjunction with a formaldehyde-free desk system it is a solution to a safe working environment and will contribute towards a GECA or EcoSpecifier certified workstation.

Acoustic Performance

EchoBlock® 24mm meets the acoustic demands for A-Absorber according to DIN EN ISO 11654. It has been tested to AS ISO 354-2006 and received an NRC (noise reduction co-efficient) result of 0.95 (with a 300mm air gap) and 0.90 (with a 100mm air gap). The NRC is a number index for rating how absorptive a material is. With a 300mm air gap EchoBlock® 24mm absorbs 95% of sound that comes into contact with the material and 5% of the sound is reflected back into the space.



Reaction to Fire

ASTM E84: B Class 2

AS/NZS 3837 Rating: Group 3

Colors

542, 442, 402

Custom colors are available in large quantities on request through your local distributor.

Color Fastness to Light

ISO 105-B02-1994 Rating: 6-7

AS 2001.4.21-1970 Rating: 6-7

Dimensions

Size

1200mm (+/- 5mm) x 450mm (+/-5mm)

1600mm (+/- 5mm) x 450mm (+/-5mm)

1800mm (+/- 5mm) x 450mm (+/-5mm)

Thickness

24mm +/- 7%

Weight

3000g/m² (+/- 10%)

EchoBlock® 24mm is about one third the weight of MDF or plasterboard in equivalent sizes. It is a face finished product, pin-able, slim and can be used as double sided or single sided panel, giving it the desirable benefits of fitting into slim-line framing systems and requiring less bulk in coping with its light weight.

Custom thickness and sizes are available in large quantities on request through your local EchoBlock® distributor.

Cost/Savings

EchoBlock® 24mm is a finished surface in itself therefore reduces costs in labor and materials in many applications, including workstations and wall paneling. Many workstations and wall panel solutions are currently clad using a substrate such as MDF board, which is in turn wrapped in foam backed fabric or complicated again to include pin-able materials. The process is repeated again on the reverse side.

This results in not only time consuming and costly construction, but an overall workstation size that needs to be unnecessarily thick to cater for the selected finishes. Wall panels are similarly costly and bulky in their production, as substrates need to be wrapped in multiple layers and fixed in methods capable of holding their weight.

EchoBlock® 24mm can be used as a two-sided vertical division in a workstation system, so effectively that the divider is stable in itself.

Handling and Storing

EchoBlock® 24mm should be stored flat. Storage areas should be clean, dry, cool, well ventilated and not exposed to direct sunlight. Avoid exposure to heat 65°C or higher. Wear gloves when handling the sheets to avoid staining.

If you have any doubt whether you have received the correct product, call your EchoBlock® distributor or ECHOJAZZ sales representative immediately.

At ECHOJAZZ all EchoBlock® products are inspected prior to shipment. ECHOJAZZ is not responsible for damage in shipment or in storage; customers should carefully inspect all items at time of delivery and note any obvious damage on the delivery receipt. For the customer's protection subsequently discovered concealed damage must be reported immediately to the carrier. Claims on ECHOJAZZ will not be considered if the sheet has been worked by the customer or others. No claims for labor charges will be allowed in any circumstances.

Cleaning and Care

Remove dust and dirt with a soft cloth or sponge and a solution of carpet or upholstery shampoo. Always use a soft, damp cloth and blot dry.

Applications

EchoBlock® 24mm is ideal for acoustic effective workstation panels.

Fixing

EchoBlock® 24mm is fixed to the table top by a pot magnet that is screwed into the acoustic panel and the matching metal disk with 3M self-adhesive backing that is fixed on to the desk top. Note that the desk top must be dry, free of grease and dust in order to guarantee the self-adhesive foil to hold firmly. Press the metal disk on the desk top firmly for at least 30 seconds and leave untouched for at least twelve hours before installing the EchoBlock® 24mm.

In case the self-adhesive does not have enough grip to withstand the strong magnets, we recommend to glue the metal disk by applying a very small amount of adhesives with a low VOC application such as Maxbond 2-K Methylacrylat Hightec-Kleber.

Digital Printing

EchoBlock® 24mm is an ideal base to print on utilizing the latest in inkjet technology and specialized graphics programs. Ideal for signage and full color images, EchoBlock® 24mm can be used both as individually printed panels and for multi-panel displays.

Specific repeat sizes are not required and anything can be printed from logos, photographic imagery and graphics. If it can be scanned and digitized, it can be printed onto EchoBlock® 24mm. As it is an inkjet printing process your color choice and number is unlimited.

From a sustainability perspective EchoBlock® digital printing reduces material and energy inputs commonly required in traditional printing and you can specify ecologically friendly inks.

Contact your local EchoBlock® distributor for further printing information.

Please Read This Application Guide before Beginning Installation

This application guide is presented in good faith to help in the use of EchoBlock® products. Woven Image accepts no responsibility for installation actions taken or not taken. This guide is not intended as an all-encompassing guide, your knowledge as an experienced tradesperson needs to be applied. This application guide contains only recommendations; if you have any questions about installation techniques please contact your local distributor.