

## Echo - Data Sheet

<b>Product Name</b>	Echo
<b>Composition</b>	Melamine Foam Core Fabric Wrapped
<b>Cutting Tolerances</b>	± 20mm
<b>Weight</b>	9kg m3 [±10%]
<b>Flame Resistance</b>	BS 476 Part 6 & 7 Class 1 (class 0)
<b>Sound Absorption</b>	Class A (50mm)
<b>OKEO TEX</b>	Standard 100
<b>Compressive Strength</b>	EN ISO 3386-1 kPa > 9
<b>Tensile Strength</b>	EN ISO 1798 kPa > 130
<b>Elongation at Break</b>	EN ISO 1798 %

Echo acoustic panels offer excellent sound absorption capabilities in the medium and high frequency range. At lower frequencies of 100 to 125Hz, acoustic optimisations can be achieved using an additional heavy layer such as Alpha. Alternatively, it is also possible to attach the absorbers at a predefined spacing from the wall creating an air gap.

### Installation

Panels can be cut and modified easily on site. Fitting instructions allow you to use your own or local labour reducing project lead times and costs.

### Standard Sizes

#### Rectangular Panels

- 1250mm x 1250mm x 50mm
- 1200mm x 1200mm x 50mm
- 1200mm x 600mm x 50mm
- 600mm x 600mm x 50mm

#### Circular Panels

- 1200mm Diameter
- 800mm Diameter
- 600mm Diameter
- 400mm Diameter

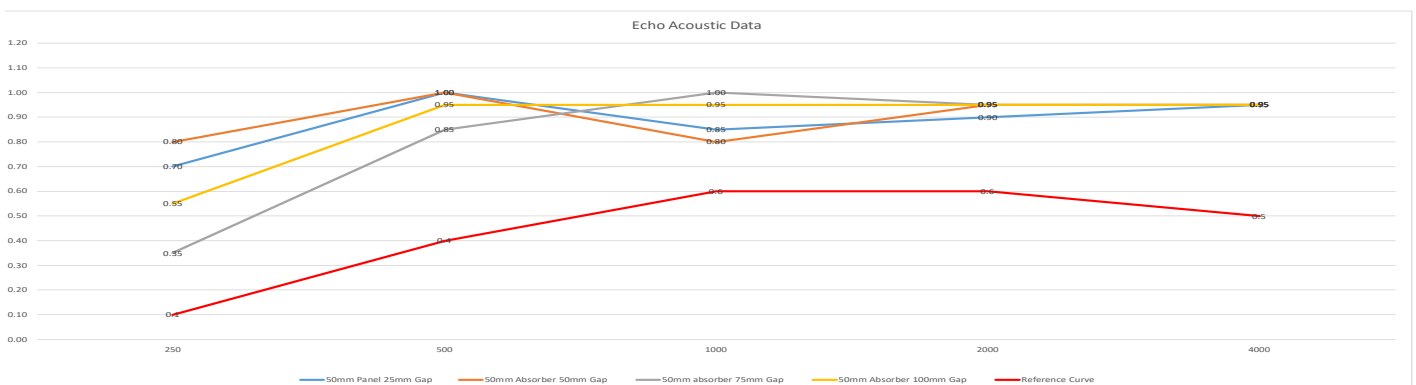
### Applications

- Printed acoustic panels
- Acoustic wall/ceiling panels
- Acoustic baffles
- Acoustic artwork
- Desk dividers & partitions
- Acoustic louvres
- + Much more

### Features & Benefits

- Excellent sound absorption properties
- Easy to install
- A broad range of neutral and bright colours.
- Near infinite branding and design possibilities with in-house conversion
- Digitally printable
- Lightweight
- Manufactured under ISO 9001
- Foam core is class 0 fire rated
- Free from fibres
- Good thermal properties

### Acoustic Performance



Although a superb acoustic foam that is easy to fit, this material does tend to expand and contract due to temperature and humidity so allowances should be made if fitting to an exact space. Due to the absorption behaviour of melamine resins and the open cell structure of the foam, the moisture content of the material changes as a function of ambient conditions. This is associated with changes in the dimensions that occur similarly in the case of wood, concrete or tiles. This behaviour must be taken into consideration during application specification. The foam should be stored for at least 3 days prior to use under the atmospheric conditions corresponding to its later use.