



INVENTORS

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FoTECH ACOUSTIC PANEL

PRODUCT DESCRIPTION

These sound absorbing acoustical panels materials are used to eliminate sound reflections to improve speech intelligibility, reduce standing waves and prevent comb filtering. An innovation to common acoustic panels towards a greener environment. Fetech Acoustic Panel are made from recycled cotton, recycled latex glove, recycle latex cateter, Styrene Butadiene Rubber (SBR), and Empty Fruit Bunch (EFB) Fibre that are mixed together to form a new composite that are very suitable for sound absorbing application. The manufacturing process are totally different with current acoustic panel that used multiple layered of material. Fetech Acoustic Panel only produce one layer of composite that had included all the metarial required for a good sound absorbance properties. A wide variety of materials can be applied to walls and ceilings depending on your application and environment. These materials vary in thickness and in shape to achieve different absorption ratings depending on the specific sound requirements. The product can be in multiple shape and design.

PROBLEMS STATEMENT

- High cost in current acoustic panels
- Current acoustic panel use multi layered material
- Current acoustic panels does not suit specific places

PRODUCT ADVANTAGES

- ✓ SUITABLE TO USE IN SENSITIVE PLACES
- ✓ CHEAPER (COMPARED COMMERCIAL PRODUCT)
- ✓ MORE ENVIRONMENTAL FRIENDLY
- ✓ LESS HAZARDOUS CONTENT & PROCESS
- ✓ DURABLE

NOVELTIES

- ENVIROMENTAL FRIENDLY
- IMPROVE IN PROPERTIES
- CAN BE MOULDED ACCORDING TO DESIRABLE DESIGN
- SAFETY
- SAVE COST

PROCESS FLOW



PRODUCT PERFORMANCES

Product	Thickness (mm)	Building Regulations Absorber Classification	Sound Absorption Coefficient					
			125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
Flexisound (Fetech Acoustic Panel)	25	A	0.30	0.42	0.87	1.00	1.00	1.00
	50	A	0.70	1.00	1.00	1.00	1.00	1.00
Flexisound (Current Acoustic Panel)	25	C	0.05	0.27	0.68	0.89	1.00	0.94
	50	C	0.23	0.50	1.00	1.00	1.00	1.00

POTENTIAL APPLICATION



INDUSTRIAL COLLABORATION



FeTECH
ACOUSTIC PANEL



A rectangular acoustic panel made of brown fibrous material, divided into four quadrants by a vertical and a horizontal line. It is mounted on a green rectangular base. To the left, there are other acoustic panels and a metal track. To the right, there are colorful paper scraps in red, yellow, and green.

FeTECH ACOUSTIC PANEL