

DECI-TEX[®] P52 Acoustic Textile (for acoustic panels & baffles)

DECI-TEX P52 is a revolutionary engineered textile with optimised specific acoustic impedance to maximise sound absorption.

DECI-TEX P52 is a unique textile which absorbs sound, replacing the need for traditional foam, rockwool or fibreglass materials.

This thin, economical fabric is designed to be used predominantly to construct acoustic panels and acoustic baffles. It replaces all other materials for acoustic panels - without the bulk.

DECI-TEX P52 is always installed with an air gap behind it – panel cavity acts as an air gap.. The air gap, combined with the matched impedance of the textile, results in sound absorption.

DECI-TEX P52 is mainly dedicated for the single sided or double sided acoustic panels.

FEATURES

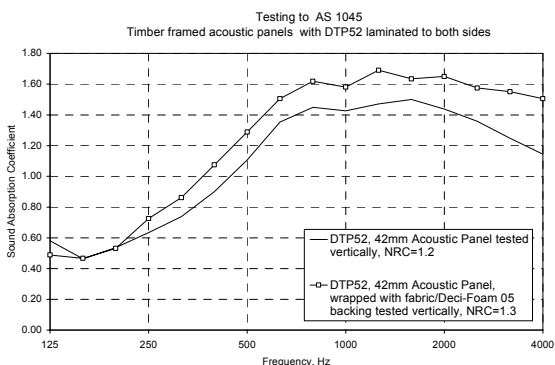
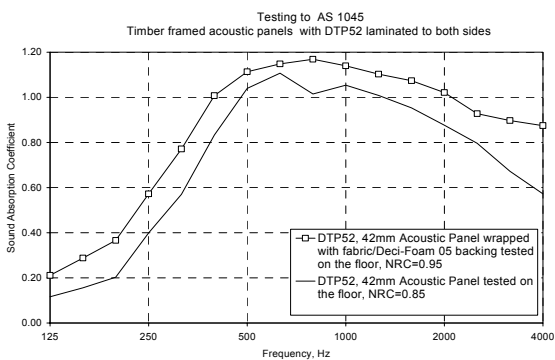
- Acoustic Panels, NRC = 0.85-1.3
- Lightweight - no bulk
- Low flammability and smoke index
- No unpleasant or harmful fibres
- Easy to install

BENEFITS

- Safe and clean to handle
- Can be used in all building applications
- Decorative and special design effects possible
- Simple to install
- Low installed cost

APPLICATIONS

- Acoustic Wall treatments
- Ceiling Baffles
- Concert halls and auditoriums
- Recording studios
- Absorptive silencers
- Suspended ceilings
- Power Stations
- Plant rooms
- Classrooms and lecture theatres
- Factories



STANDARD PRODUCT CODES

STANDARD PRODUCT	THICKNESS	WIDTH	ROLL LENGTH
DECI-TEX P52	0.75mm	1500mm	Can be supplied in rolls or sheets

SOUND ABSORPTION (Tested to AS1045-1988)

FREQUENCY	RANDOM INCIDENCE ABSORPTION COEFFICIENT			
	FOR 50MM THICK ACOUSTIC PANELS			
	Hz	Panels on the floor		Panels mounted vertically)
Plain panel		Panel wrapped in foam	Plain panel	Panel wrapped in foam
125	0.15	0.20	0.60	0.50
250	0.40	0.60	0.60	0.75
500	1.05	1.10	1.10	1.30
1000	1.05	1.15	1.45	1.60
2000	0.9	1.05	1.45	1.65
4000	0.60	0.90	1.15	1.50
NRC (250-2000 Hz)	0.85	0.95	1.15	1.30

) plan panel view area used to compute sound absorption coefficient

FLAMMABILITY PROPERTIES

MATERIAL	UL94	MVSS-302	SAEJ369a	AS 1530.3			
				Ignit-ability	Spread of Flame	Heat Evolved	Smoke Develop.
DECI-TEX P52	N/A	Self Exting	Self Exting	0	0	0	3

MISCELLANEOUS PROPERTIES

MATERIAL	RECOMMENDED MAX. SERVICE TEMP.	CHEMICAL RESISTANCE
DECI-TEX P52	120C Intermittent 90C Continuous	Excellent

TOXICOLOGY/HEALTH AND SAFETY

DECI-TEX is completely non-toxic and safe to handle without protective clothing or respiration apparatus.

NOTES: Specifications are subject to change without notice.

The data listed in this data sheet are typical or average values based on tests conducted by independent laboratories or by the manufacturer. They are indicative only of the results obtained in such tests and should not be considered as guaranteed maximums or minimums. Materials must be tested under actual service to determine their suitability for a particular purpose.



Commercial
In
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