



DECI-TEX™ P44FR & P44

Heat Reactive Adhesive Coated Spun-Bonded Acoustic Fabric for perforated tiles & panels

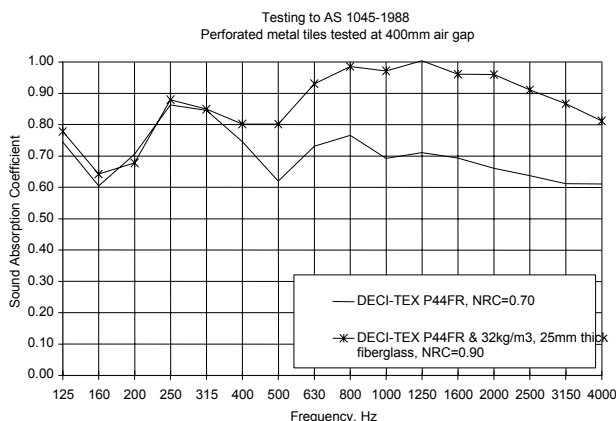
DECI-TEX P44FR is a Non-Woven Acoustic Textile coated with a heat reactive adhesive.

The non-woven fabric was selected to provide excellent mechanical strength, reduced translucency and good permeability.

It was predominantly designed for installation behind perforated panels to provide a good sound absorption, elegant appearance and to prevent fibre release from bulk materials like polyester blanket, Rockwool or fibreglass, which might be used for further boosting of the acoustic properties.

To achieve a good bond, preheating only to 80°C and gentle pressure are required. Therefore messy adhesive-spraying processes can be eliminated.

The material comes in black although grey or white colours can be available (subject to the ordered volume).



FEATURES

- NRC \geq 0.70 for most commonly used perforated patterns
- Easy installation – heat reactive adhesive requires only 80°C (substrate also MUST be preheated)
- Low flammability and smoke index, tested to AS 1530.3 - 0, 0, 0, 1
- Flammability to BS 476, part 6 – Fire Propagation Index 5.9
- Flammability to BS 476 part 7 – Class 1
- Lightweight – 155gsm
- Excellent mechanical properties

BENEFITS

- Unique & adequate solution for most acoustic installations
- Very easy installation
- Clean, light and safe to handle
- Fixed in place not 'floating'

APPLICATIONS

- Behind perforated panels in
 - Suspended ceilings
 - Walls
- Acoustic panels lining

PREPARATION REQUIRED

- Required temperature to reactivate adhesive - 80°C
- Gentle pressure

STANDARD PRODUCT CODES

STANDARD PRODUCT	THICKNESS (nominal)	WIDTH	ROLL LENGTH
DECI-TEX P44FR	0.37mm	1200mm	250m

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SOUND ABSORPTION Testing at RMIT to AS 1045

FREQUENCY Hz	NORMAL INCIDENCE SOUND ABSORPTION COEFFICIENT	
	Metal perforated tile with DECI-TEX P44FR & 25mm thick, 32kg/m ³ fibreglass	Metal perforated tile with DECI-TEX P44FR
100	0.66	0.64
125	0.78	0.74
160	0.64	0.61
200	0.68	0.71
250	0.88	0.86
315	0.85	0.85
400	0.80	0.75
500	0.80	0.62
630	0.93	0.73
800	0.99	0.77
1000	0.97	0.69
1250	1.00	0.71
1600	0.96	0.69
2000	0.96	0.66
2500	0.91	0.64
3150	0.87	0.61
4000	0.81	0.61
5000	0.78	0.61
NRC (250-2000 Hz)	0.90	0.70

FLAMMABILITY PROPERTIES

MATERIAL	FMVSS-302	AS 1530.3			
		Ignit-ability	Spread of Flame	Heat Evolved	Smoke Developed
DECI-TEX P44FR	Self Exting	0	0	0	2-3

MISCELLANEOUS PROPERTIES

MATERIAL	RECOMMENDED MAX. SERVICE TEMP.	CHEMICAL RESISTANCE
DECI-TEX P44FR	120 C Intermittent 80 C Continuous	Very Good



Deci-Tex™ P44FR and Deci-Tex™ P44 display identical acoustic properties although Deci-Tex™ P44 does not return flammability indices quoted for BS476 testing.

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.

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