



DECI-TEX[®] 3D P42 3D Black Non-Woven Acoustic Fabric

DECI-TEX P42 was developed in response to demand for higher performance insulation for HVAC market and whitegoods market.

It is lighter in weight and does not encourage the development of smells associated with absorption and retention of water, does not suffer from corrosion and unlike other insulation blankets comes with self-adhesive backing.

Innovation and technology have resulted in a product that offers the highest sound absorption at the most important frequencies combined with excellent mechanical properties.

For the convenience of Original Equipment Manufacturers, this product is normally supplied cut to size on our CNC fabric cutter.

FEATURES

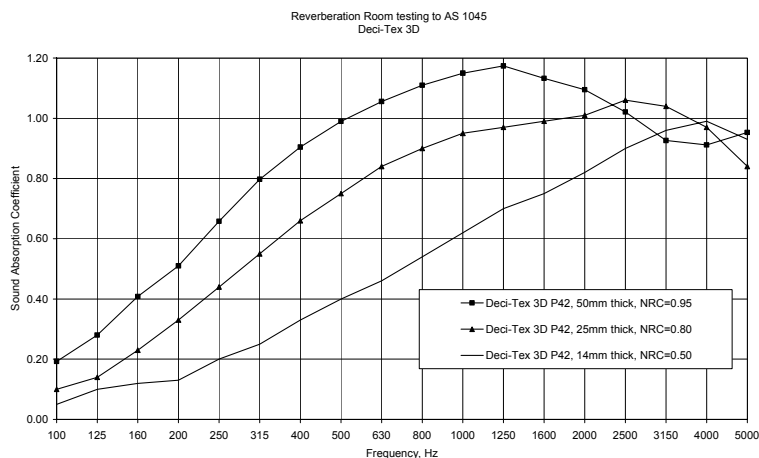
- Good sound absorption properties
- Radical[®] 1253 acrylic adhesive backing
- Non wicking - avoids contamination and generation of odours
- Fire hazard tested to AS1530.3 – 9, 0, 1, 4
- Lightweight
- Low thermal conductivity
- Sprayed adhesive backing available for low temperature applications

BENEFITS

- Self adhesive – easy to install
- Recyclable, manufactured from 100% polyester fibre
- Does not hold water–avoids contamination
- Zero odour - there are no resin binders to create an unsatisfactory odour

APPLICATIONS

- Noise control and thermal insulation for whitegoods
- Noise control and thermal insulation for HVAC equipment
- Acoustic lining for ductwork



STANDARD PRODUCT CODES

STANDARD PRODUCT	THICKNESS (nominal)	WIDTH	ROLL LENGTH	DENSITY
DECI-TEX 3D P42/14A	14mm	1500mm	30m*)	24 kg/m ³
DECI-TEX 3D P42/25A	25mm	1500mm	30m*)	24 kg/m ³
DECI-TEX 3D P42/50A	50mm	1500mm	sheets	24 kg/m ³

DECI-TEX 3D P42 is manufactured to a nominal thickness only. Typical thickness variations are ± 2mm.

SOUND ABSORPTION (Test in the reverberation room at RMIT, Melbourne, to AS 1045)

FREQUENCY Hz	SOUND ABSORPTION COEFFICIENT		
	Deci-Tex 3D P42/14A	Deci-Tex 3D P42/25A	Deci-Tex 3D P42/50A
100	0.05	0.10	0.19
125	0.10	0.14	0.28
160	0.12	0.23	0.41
200	0.13	0.33	0.51
250	0.20	0.44	0.66
315	0.25	0.55	0.80
400	0.33	0.66	0.90
500	0.40	0.75	0.99
630	0.46	0.84	1.06
800	0.54	0.90	1.11
1000	0.62	0.95	1.15
1250	0.70	0.97	1.17
1600	0.75	0.99	1.13
2000	0.82	1.01	1.09
2500	0.90	1.06	1.02
3150	0.96	1.04	0.93
4000	0.99	0.97	0.91
5000	0.93	0.84	0.95
NRC(250-2000 Hz.)	0.50	0.80	0.95

FLAMMABILITY PROPERTIES

MATERIAL	UL94	MVSS-302	AS 1530.3			
			Ignit-ability	Spread of Flame	Heat Evolved	Smoke Develop.
DECI-TEX 3D P42	N/A	Self Extinguishing 0 Burn rate	9	0	1	4

NOTES: Specifications are subject to change without notice.

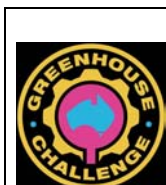
The data listed in this data sheet are typical or average values based on tests conducted by independent laboratories or by the manufacturer. They are indicative only of the results obtained in such tests and should not be considered as guaranteed maximums or minimums. Materials must be tested under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

MISCELLANEOUS PROPERTIES

MATERIAL	REC. MAX. SERVICE TEMP.	CHEMICAL RESISTANCE	THERMAL CONDUCTIVITY 'K'	MOISTURE ABSORPTION
DECI-TEX 3D P42	130C Continuous	Excellent	0.036 W/mC	<0.03% by vol. At 50C, 90% RH (for 4 days or more).

TOXICOLOGY/HEALTH AND SAFETY

DECI-TEX 3D is completely non-toxic and safe to handle without protective clothing or respiration apparatus.



**Commercial
In
Confidence**

I.N.C. Corporation Pty. Ltd.
 ABN 74 005 302 250
 63-79 South Park Drive,
 Dandenong South, VIC 3175, Australia
 Tel: +61 3 8710 7400
 Fax: +61 3 8710 7499
 Web: www.inccorp.com.au

