



DECI-TEX[®] 3D P46 3D Absorber with High Performance Facing

DECI-TEX 3D P46 is a new evolution of the well known and widely used Deci-Tex 3D P42.

Deci-Tex 3D P46 was developed in response to demand for lighter and more economic product with retained premium sound absorption.

Deci-Tex 3D P46 is available with a new unique acrylic adhesive backing called “finger-lift” easing the removal of the release liner. We also offer a new plastic release liner that reduces waste and is easier to use than paper.

Deci-Tex 3D P46 also offers enhanced appearance that insures a professional finish.

Deci-Tex 3D P46 does not encourage the development of smells associated with absorption and retention of water and does not suffer from corrosion.

Continued product improvements have resulted in a product that offers good sound absorption across entire frequency range.

FEATURES

- Premium sound absorption properties
- Radical[®] 1253 “finger-lift” acrylic adhesive backing (optional)
- Non wicking - avoids contamination and generation of odours
- Fire hazard complies with Australian Building Code
- Lightweight
- Thermal conductivity $k=0.036$ W/mK

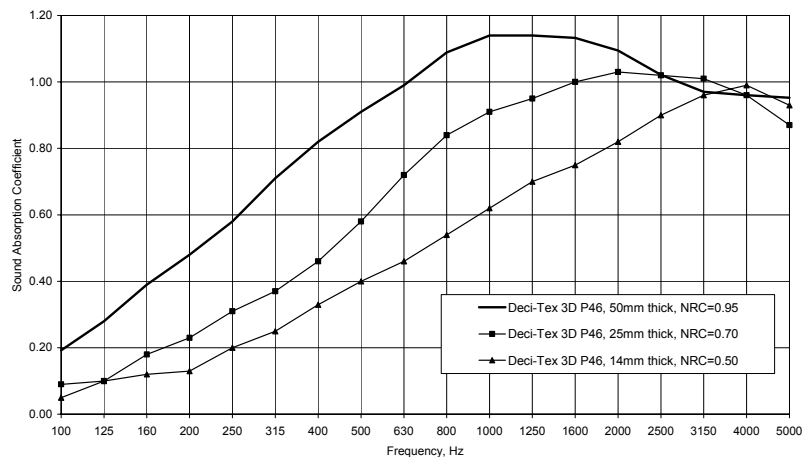
BENEFITS

- No pinning required
- Self adhesive – easy to install
- Recyclable, manufactured from 100% polyester fibre
- Does not hold water
- Contains no resin binders to create an unsatisfactory odour

APPLICATIONS

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

Reverberation Room testing to AS 1045
Deci-Tex 3D P46



STANDARD PRODUCT CODES

STANDARD PRODUCT	THICKNESS (nominal)	DENSITY
DECI-TEX 3D P46	13-15mm	20 kg/m ³
DECI-TEX 3D P46	23-27mm	16 kg/m ³
DECI-TEX 3D P46	48-52mm	16 kg/m ³

DECI-TEX 3D P42 is manufactured to a nominal thickness only. Typical thickness variations are ± 1mm.

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

FREQUENCY Hz	SOUND ABSORPTION COEFFICIENT		
	Deci-Tex 3D P46, 14mm thick	Deci-Tex 3D P46, 25mm thick	Deci-Tex 3D P46, 50mm thick
125	0.05	0.09	0.19
160	0.10	0.10	0.28
200	0.12	0.18	0.39
250	0.13	0.23	0.48
315	0.20	0.31	0.58
400	0.25	0.37	0.71
500	0.33	0.46	0.82
630	0.40	0.58	0.91
800	0.46	0.72	0.99
1000	0.54	0.84	1.09
1250	0.62	0.91	1.14
1600	0.70	0.95	1.14
2000	0.75	1.00	1.13
2500	0.82	1.03	1.09
3150	0.90	1.02	1.02
4000	0.96	1.01	0.97
NRC	0.50	0.70	0.95

FLAMMABILITY PROPERTIES

MATERIAL	MVSS-302	AS 1530.3 Tested in February 2006			
		Ignit-ability	Spread of Flame	Heat Evolved	Smoke Develop.
DECI-TEX 3D P46	Self Extinguishing 0 Burn rate	9	0	2	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	MOISTURE ABSORPTION
DECI-TEX 3D P46	110C Continuous	Excellent	0.036 W/mK	<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**

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