



DECI-THERM® 3D

3-Dimensional Thermally Bonded Polyester Insulator

DECI-THERM® 3D is an unfaced, vertically aligned, thermally bonded polyester sound absorber designed for optimum THERMAL performance at maximum operating temperatures.

DECI-THERM® 3D is a soft blanket made to nominal thickness. On request it is available with aluminium reflecting facing and also with high performance acrylic adhesive backing (Radical® 1253) or its more economical "Fingerlift®" (striped) version (Radical® 6953).

The unique fibre construction of DECI-THERM® 3D results in excellent thermal insulation combined with unique mechanical properties.

DECI-THERM® 3D exhibits low fire hazard properties and is completely safe and non-toxic to use.

DECI-THERM® 3D is a practical alternative to fibreglass and mineral fibre materials.

Under the Building Code of Australia there is no limitation on the use of aluminium foil-faced DECI-THERM® 3D in any building application.

FEATURES

- Completely safe, non-toxic
- Comes rated to R1.0, R1.5 & R2.0 without facing
- Low fire hazard properties – tested to AS1530.3 returns 8, 0, 1, 4 (and with aluminium facing 0, 0, 0, 1)
- Non-allergenic
- Can be moulded to shape

BENEFITS

- Safe and clean to handle & installation
- Protective clothing not required

APPLICATIONS

- Insulation distributors and installers
- OEM manufacturers

STANDARD PRODUCTS

STANDARD PRODUCT	THICKNESS	WIDTH	ROLL LENGTH
DECI-THERM® 3D, R1.0	38mm	As required	30m
DECI-THERM® 3D, R1.5	45mm	As required	15m
DECI-THERM® 3D, R2.0	50mm	As required	10m

DECI-THERM® 3D is manufactured to a nominal thickness only. Typical thickness variations are ± 1.5 mm.
Thermal conductivity test results available on request.

FLAMMABILITY PROPERTIES

MATERIAL	UL94	FMVSS-302	AS 1530.3			
			Ignit-Ability	Spread of Flame	Heat Evolved	Smoke Developed
DECI-THERM® 3D (Plain)	N/A	Self Extinguishing 0 Burn rate	8	0	1	4
DECI-THERM® 3D (Aluminium faced)	N/A	Self Extinguishing 0 Burn rate	0	0	0	0-1

MISCELLANEOUS PROPERTIES

MATERIAL	REC. MAX. SERVICE TEMP.	CHEMICAL RESISTANCE	THERMAL Resistance	MOISTURE ABSORPTION
DECI-THERM® 3D	170C Continuous	Excellent	See table above	<0.03% by vol. At 50C, 90% RH (for 4 days or more).

TOXICOLOGY/HEALTH AND SAFETY

DECI-THERM® 3D 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.

	<p>Commercial In Confidence</p>	<p>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</p>	 <p>TS-16949 CERTIFIED ISO/TS16949:2002(E) Cert. No. IATF20007 SAI-Global, Australia</p>
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