VTex_acoustico_FINAL.qxd 3/5/06 2:31 PM Page 1

TECHNICAL INFORMATION

Test Data

Noise Reduction Coefficients (NRC) – Vermitex® "Acustico"

THICKNESS (mm)	25	26	39
DENSITY (Kg/m^3)	348	320	300
REPORT	**AC 133**	**VIPAC**	**HAS 034**
1/3 Octave Band Centre Frequency (Hz)	NRC	NRC	NRC
100	0.10	0.10	0.08
125	0.05	0.10	0.12
160	0.10	0.10	0.17
200	0.15	0.20	0.24
250	0.20	0.25	0.34
315	0.30	0.40	0.39
400	0.40	0.60	0.52
500	0.50	0.70	0.65
630	0.60	0.80	0.71
800	0.70	0.80	0.82
1000	0.80	0.80	0.86
1250	0.90	0.80	0.86
1600	0.95	0.75	0.80
2000	0.90	0.70	0.75
2500	0.85	0.70	0.73
3150	0.80	0.65	0.73
4000	0.80	0.60	0.71
5000	0.75	0.55	0.63
Average	**0.60**	**0.61**	**0.65**

Health and Safety

Vermitex® 'Acustico' contains no asbestos or any potentially harmful material, and presents no known health hazard before, during or after application. Normal precautions for gypsum and cement products apply, including dust mask, eye protection and covering of sensitive skin.

Want to know more?

For more information on Vermitex® 'Acustico' and our complete range of products for the construction, industrial and agricultural sectors, contact LAF Group by telephone, facsimile, email or visit our website. Contact points are provided below.

L & A Fazzini Manufacturing Pty Ltd ACN 000 439 485 • Office: 23-25 Wentworth Street Greenacre NSW 2190 • Postal: PO Box 13 Greenacre NSW 2190
Freecall: 1800 629 305 (within Australia only) • Tel: 61 2 9642 4745 • Fax: 61 2 9742 5164 • Email: sales@lafgroup.com • www.lafgroup.com

PRODUCT INFORMATION

VERMITEX® 'ACUSTICO'

A spray-on coating that suppresses sound waves. Looks good, too!

What Is Vermitex® 'Acustico'?

Vermitex® 'Acustico' is an easy to apply noise abatement and decorative coating for ceiling, walls and other interior substrates.

It is blended under factory controlled conditions from gypsum-vermiculite or cement-vermiculite, to ensure consistent high quality and in-service performance.

Easily applied with commercially available cementitious spray equipment, Vermitex® 'Acustico' is available in a choice of coarse to fine textures, and in a wide range of attractive pastel finishes.

Coupled with its excellent noise abatement properties, Vermitex® 'Acustico' is not only pleasing to the eye, but to the ear as well.

How Does It Work?

Vermitex® 'Acustico' is a lightweight coating engineered from expanded vermiculite of appropriate sizing, and inorganic binders. During the mixing process, the air-entraining product generates copious amounts of micro-dispersed air bubbles. This increases the 'porosity' of the mix and ensures negligible reflection of sound waves.

Is It Hard to Apply?

No. Vermitex® 'Acustico' can be applied without reinforcement. A thin 'key coat' may be needed to enhance bonding to the substrate, after which further coats can be progressively applied to achieve the required thickness.

Vermitex® 'Acustico' may be painted over with suitable sealers and paints,however some acoustical absorption losses may be expected.

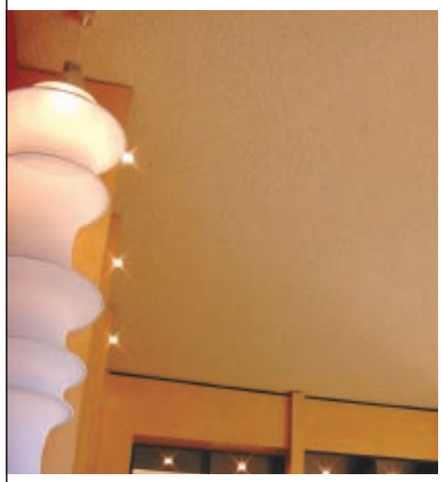
Document Control: 0506

L & A Fazzini Manufacturing Pty Ltd ACN 000 439 485 • Office: 23-25 Wentworth Street Greenacre NSW 2190 • Postal: PO Box 13 Greenacre NSW 2190
Freecall: 1800 629 305 (within Australia only) • Tel: 61 2 9642 4745 • Fax: 61 2 9742 5164 • Email: sales@lafgroup.com • www.lafgroup.com

VTex_acoustico_FINAL.qxd 3/5/06 2:31 PM Page 2

VERMITEX® 'ACUSTICO'

Vermitex® 'Acustico' in transport depot of the KCRC Wu Kai Sha Rail Station in Hong Kong.



Vermitex® 'Acustico' used in commercial environment.

Vermitex® 'Acustico' in residential car park.

L & A Fazzini Manufacturing Pty Ltd ACN 000 439 485 • Office: 23-25 Wentworth Street Greenacre NSW 2190 • Postal: PO Box 13 Greenacre NSW 2190 Freecall: 1800 629 305 (within Australia only) • Tel: 61 2 9642 4745 • Fax: 61 2 9742 5164 • Email: sales@lafgroup.com • www.lafgroup.com

VERMITEX® 'ACUSTICO'

LAF GROUP

Production
Vermitex® 'Acustico' is manufactured under factory-controlled conditions to ISO 9001-2000 Quality Standard, delivered to site in 'batch' form, and mixed to the required consistency before application.

Packaging
Vermitex® 'Acustico' gypsum and cement products are packaged in polypropylene lined paper sacks.

Application
Before application, make sure the substrate is free from rust, oil, excessive dust or any other substance that may impair adhesion.

The initial coat will set in four to six hours, with a required coating interval of between two and eight hours. Up to 20 mm can be applied at one time.

When applied in well-ventilated areas to a thickness of 25 mm, Vermitex® 'Acustico' will dry in two weeks. Ambient temperature should not be allowed to drop below 4° C for 24 hours following application.

New coatings should only be applied over partially set coatings. If this is not possible, the last coating surface should be textured or scratched to improve adhesion.

When applying Vermitex® 'Acustico' to primed or unprimed structural steel without mesh reinforcement, a bond coat such as Vermitex® '7' should be applied to between 50 and 75 per cent of the area. This will improve adhesion and reduce slippage during application.

Where primers are required, alkali-resistant zinc-rich primers are recommended.

Mechanical Reinforcement
Mechanical reinforcement is not required, however, a primer or bond coat such as Vermitex® '7' is recommended for vertical or horizontal continuous smooth surfaces, especially if vulnerable to continuous vibrations, thermal or construction movement.

Coverage
One bag of Vermitex® 'Acustico' will cover approximately 1m² at a nominal thickness of 50 mm. Type of equipment,

Vermitex® 'Acustico' in the KCRC Tai Wai Station in Hong Kong.

overspray and waste will have an effect on bag yield and it is recommended that 10 to 15 per cent waste be allowed for coverage calculations.

Density
Dry density: 320-375 kg/m³

Testing
Vermitex® 'Acustico' cement and plaster-based formulations have been successfully tested at VIPAC Engineers & Scientists Ltd in accordance with:

- AS 1045-1985
- ASTM C-423-02
- BS EN 20354:1993

Please refer to LAF for further details.

L & A Fazzini Manufacturing Pty Ltd ACN 000 439 485 • Office: 23-25 Wentworth Street Greenacre NSW 2190 • Postal: PO Box 13 Greenacre NSW 2190 Freecall: 1800 629 305 (within Australia only) • Tel: 61 2 9642 4745 • Fax: 61 2 9742 5164 • Email: sales@lafgroup.com • www.lafgroup.com