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CLIENT: Insulating Technology Pty Ltd
3/14 Regent Crescent
Moorebank NSW 2170

YOUR REF: Coatings Testing

OUR REF: J/N 61/17179/01

Certificate of Test No. 5336

Sample: Insultec-1 System

Date Received: 16 March 2006

Date Tested: 30 May 2006

From:

Description & Condition: 1 –off container of Insultec-1, approximately 4L
1 –off container of R33X Primer, approximately 1L

TEST DESCRIPTION: DIRECT TENSION ADHESION STRENGTH

Sample Preparation:

Coating system consisted of 1 coat of R33X Primer (applied at WFT 100 μm) and 1 coat of Insultec-1 (applied at WFT 500 μm), to N30 grade concrete block by brush. Recoat interval was 2 hours. Test sample was cured at 23±2°C for 7 days prior to test.

Test Method:

Adhesion - Pull-off test using De Felsko Positest direct tension pull-off adhesion tester, in accordance with AS1580.408.5-1994 "Adhesion - Pull-Off Test" and ASTM D4541-02 "Standard Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers" Method E. Test dollies attached using "Super Strength Araldite" epoxy resin adhesive and allowed to cure 8 days prior to test. The dollies were circumscribed immediately prior to test.

31/05/06 — 1/6/06

Tested By
N. Nguyen, Chemist

Date

Approved Signatory
A.M. Peek, Principal Materials Scientist

Date

NATA

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Test Results:

Lab Sample No: P27563 & P27564

Client Identification: Insultec-1 & R33X Primer

Test Substrate: N30 Grade Concrete (P27652)

Age: 30 days

Trial No.	Adhesion Strength	Mode of Failure
	MPa	
P27563D	2.2	100% Adhesive, Coating/Concrete Interface
P27563E	2.8	35% Cohesive, Concrete 65% Adhesive, Coating/Concrete Interface
P27563F	1.9	100% Adhesive, Coating/Concrete Interface
Mean	**2.3**	

Note: 1. Each result quoted above is for a single 50 mm diameter test dolly.