



SIRIM QAS International Sdn.Bhd. (Company No.: 410334-X)  
CHEMICAL TESTING SECTION, Building 16, No.1, Persiaran Dato' Menteri, P.O.Box 7035, Section 2, 40911 Shah Alam,  
Selangor Darul Ehsan, Malaysia  
Tel. no: 03-55446651/55446658 Fax. no: 03-55446688

## TEST REPORT

REPORT NO. : 2005KL1257

PAGE : 1 OF 3

This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This test report shall not be reproduced, except in full and shall not be used for advertising purposes by any means or forms without written approval from Executive Director, SIRIM QAS International Sdn. Bhd. Please refer overleaf for Conditions Relating To The Use of Test Report.

Applicant : BECKER INDUSTRIAL COATINGS (M) SDN. BHD.  
No. 10, Jalan Sejahtera 25/124  
Section 25, Axis Premier Industrial Park  
40400 Shah Alam  
Selangor Darul Ehsan

Product : Coil Coated Panel

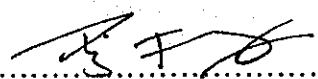
Reference standard / : ASTM D 968 : 2001  
Method of test : Abrasion Resistance of Organic Coatings by Falling Abrasive

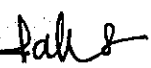
Description of sample : Received two (2) samples of Coil Coated Panel for testing which were labeled as:  
Marking : 1) Volcano Red  
2) Design Blue

Date received : 29<sup>th</sup> November 2005

Job No. : J20055081217

Issue date : 15<sup>th</sup> December 2005

  
.....  
(RIZ FADZLIN ABU NAIM)  
Senior Technical Executive

  
.....  
(HAHNAS MAHBUT)  
Manager  
Chemical Testing Section  
Building 16  
SIRIM QAS International Sdn. Bhd.

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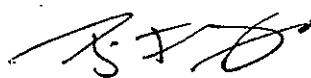
## Test Results

**Product** : Coil Coated Panel

**Marking** : Volcano Red

**Test method** : ASTM D 968 : 2001 – Method A - Falling Sand Abrasion Test

No.	Sample marking	Test Method	Results Abrasion resistance, litres per mil
		ASTM D 968	
1.	Coated panel 1	Coating thickness in mils : 2.72 Litres of abrasive used : 270	99.3
2.	Coated panel 2	Coating thickness in mils : 2.72 Litres of abrasive used : 240	88.2
3.	Coated panel 3	Coating thickness in mils : 2.56 Litres of abrasive used : 256	100.0
4.	Coated panel 4	Coating thickness in mils : 2.40 Litres of abrasive used : 240	100.00
			<b>Mean : 96.9</b>



**RIZ FADZLIN ABU NAIM**  
Senior Technical Executive  
Chemical Testing Section  
SIRIM QAS International Sdn Bhd

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## Test Results

**Product** : Coil Coated Panel

**Marking** : Design Blue

**Test method** : ASTM D 968 : 2001 – Method A - Falling Sand Abrasion Test

No.	Sample marking	Test Method	Results Abrasion resistance, litres per mil
		ASTM D 968	
1.	Coated panel 1	Coating thickness in mils : 2.24 Litres of abrasive used : 240	107.1
2.	Coated panel 2	Coating thickness in mils : 2.32 Litres of abrasive used : 234	100.9
3.	Coated panel 3	Coating thickness in mils : 2.36 Litres of abrasive used : 260	110.2
4.	Coated panel 4	Coating thickness in mils : 2.12 Litres of abrasive used : 208	98.1
			<b>Mean : 104.1</b>



RIZ FADZLIN ABU NAIM  
Senior Technical Executive  
Chemical Testing Section  
SIRIM QAS International Sdn Bhd



**SIRIM QAS INTERNATIONAL SDN. BHD.**

Block 4, No. 1, Persiaran Dato' Menteri,  
P.O. Box 7035, Section 2, 40911 Shah Alam,  
Selangor Darul Ehsan, Malaysia.  
Tel: 60-3-5544 6400 Fax: 60-3-5544 5672

**INVOICE**

All cheques should be crossed and made payable to SIRIM QAS INTERNATIONAL SDN. BHD.  
Please indicate the invoice number at the back of the cheque.

Serial No. <b>0170714</b>		Invoice No. <b>131994</b>	
Date: <b>Dec. 16, 2005</b>		File No. <b>CB200801</b>	
Company Name: <b>BECKER INDUSTRIAL COATINGS (M) SDN BH</b>		Client Code: <b>B2008</b>	
Address: <b>NO 10 JALAN SEJAHTERA 25/124 SECTION 25, AXIS PRIMER IND. P 40400 SHAH ALAM SELANGOR DARUL EHSAN MS GLENICE LAM</b>			
Attn: <b>MS GLENICE LAM</b>			
No.	Code	Item	Amount (RM)
1	83053	TESTING ON COIL COATED PANEL	1,200.00
CHQNO RTNO MBB/S.A208139J20055081217 Total Amount			1,200.00
Advance Payments			1,200.00
Ringgit Malaysia: zero only		Amount Payable / (Refundable)	0.00

Prepared by: aziahm

Approved by: PN. HAHNAS BINTI MAHBUT

16/12/2005

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