



PAINTMAN

NEW ZEALAND PAINT MANUFACTURERS ASSOCIATION INCORPORATED

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## NZPMA PROFICIENCY TESTING PROGRAMME

### Round 3 – April 2012

Dear all

Hopefully everyone has received their samples for the third round of Proficiency Testing.

As you are aware, this programme is in place to provide companies with a NZ wide comparison of testing results as completed by Paint Manufacturers.

Please complete the tests to be performed by you by 30 April 2012 and return the results to Warren Strickett using the contact details below.

The results will be confidential to the individual companies, with only the consolidated result becoming public.

Please discuss with your company which tests they would like you to participate in, then complete the test, fill in the results and return the sheet by the following methods:

**Email:** [wstrickett@imcd.co.nz](mailto:wstrickett@imcd.co.nz), with the subject line: **NZPMA Proficiency Test Results**

**Post:** IMCD NZ Ltd  
PO Box 27056  
Mt Roskill  
Auckland 1440  
Attention: Warren Strickett

Thank you for your assistance.



### Results Sheet

Company Name: ..... Your Name: ..... Sample Number: .....

Test Name	Test Method: NZ/AS 1580	Unit	Deviations from method / conditions	Date of Test	Results
Condition in container	103.1	<i>Comment*</i>			
Degree of settling	211.1	Rating			
Ease of reincorporation	211.2	<i>Comment*</i>			
NVC (105°C oven for 3 hours)	301.1	%			
Density	202.1	kg/L			
pH	505.1				
Fineness of Grind	204.1	Um			
Viscosity    Krebs	214.1	KU			
ICI	214.3	Pa.s			
Brookfield <sup>1</sup>	214.5	cPs			
Gloss        20 deg	602.2	Gloss units			
60 deg	602.2	Gloss units			
85 deg	602.2	Gloss units			
Brush out	205.1	<i>Comment*</i>			
Finish	603.1	<i>Comment*</i>			

Note: If laboratories do not routinely conduct a test please state N/A in the results area. For viscosity measures, please use those **routinely** used in development or testing as relevant to your laboratory. *\*Please see over for comments re the testing procedure.* <sup>2</sup> *Please see over for recommended spindle and speed.*

Once completed please return to IMCD NZ Ltd by email to: [wstrickett@imcd.co.nz](mailto:wstrickett@imcd.co.nz) or post to:

IMCD NZ Ltd  
PO Box 27056  
Mt Roskill  
Auckland 1440  
Attention: Warren Strickett

### COMMENTS RE TESTS:

#### **AS1580:103.1 – Examination & preparation of samples for testing**

The following need to be considered

- Ullage
- Surface skin
- Consistency
- Separation
- Settling
- Extraneous matter

#### **AS1580:211.2 – Ease of Manual reincorporation**

Report as 'Readily or Not Readily Reincorporated'

If not readily reincorporated – the type of defect, if present.

#### **AS1580:205.1 – Application Properties – Brushing**

Substrate – Opacity Card

Report

- Wet film thickness (typically 100µm)
- Lapping
- Cratering
- Opacity (subjectively)
- Coverage
- Foaming

#### **AS1580:603.1 – Finish – general appearance**

Substrate – Opacity Card

Report

- Distance from observation (normally 30-50cm)
- Gloss (subjectively)
- Colour uniformity (subjectively)
- Type and extent of
  - Coarse particles
  - Streakiness
  - Mudcracking
  - Brush marks
  - Orange peel
  - Visible sag
  - Runs
  - Sample area

#### **Brookfield**<sup>1</sup>

We recommend using Spindle No 3, speed 2RPM for round 3 sample.