



PAINTMAN

NEW ZEALAND PAINT MANUFACTURERS ASSOCIATION INCORPORATED

NZPMA PROFICIENCY TESTING PROGRAMME

Round 12 – March 2018

Dear all

Hopefully you have all received your samples for the next round of Proficiency Testing. If not, please let me know, and I will track them to find out where they are.

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 **20 April 2018** and return the results to Donna Vincent using the contact details below. This date will allow us to ensure we have the results through to members by early April.

SPECIFIC TEST NOTES:

- *Please note that the Colour Test is being kept in here as a standard test for those who want to do it. As always, the more people who complete the tests, the better the results.*
- *The Brookfield Test has consistently been problematic in achieving a tight range of results. For this test, if possible, can you please calibrate your machine before the test, and advise the make and model of the machine you are using.*

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: admin@paintman.org.nz, with the subject line: **NZPMA Proficiency Test Results**

Post: NZPMA
P O Box 1282
Pukekohe 2340
Auckland
Attention: Donna Vincent

Thank you for your assistance.

Company Name:

Your Name:

Sample Number:

Date:

Test Name	Test Method: NZ/AS 1580	Unit	Deviations from method / conditions	Results
Condition in container <i>Please consider comments on Surface skin; Consistency; Separation; Settling; Extraneous matter as needed.</i>	103.1	Comment		
Degree of settling	211.1	Rating		
Ease of reincorporation <i>Report as 'Readily or Not Readily Reincorporated. If not readily reincorporated provide comment.</i>	211.2	Comment		
NVC (105°C oven for 3 hours)	301.1	%		
Density	202.1	kg/L		
pH	505.1			
Fineness of Grind <i>Report in units of um. Please see attached "Hegman to um" conversation chart as needed.</i>	204.1	um		
Viscosity Krebs	214.1	KU		
ICI <i>Please note that under NZ 1580 -214.3 the result for ICI should be reported in Pa.s. However the ICI machine often reports result in Poise. So to meet the std please convert any Poise result into Pa.s (1poise = 0.1Pa.s, so divide Poise by 10 to get Pa.s)</i>	214.3	Pa.s		
Brookfield <i>Model RVT, Spindle No 4, speed 50 rpm, stir well before test. If possible, calibrate your machine before testing</i>	214.5	cPs		Please specify Make and Model used for test.
Gloss 20 deg	602.2	Gloss units		
60 deg	602.2	Gloss units		
85 deg	602.2	Gloss units		
Colour Light source: D65 Angle: 10 degree Measured in: CIE Lab space Sample: 2 coats at 100um wet each. Over white.	601.3	Value		L. a. b.
Brush out <i>Substrate – Opacity Card Target 100um wet film thickness Report –lapping, cratering, opacity, coverage, foaming</i>	205.1	Comment		
Finish <i>Substrate – Opacity Card Report on: Gloss (subjectively) / Colour uniformity (subjectively) / Comment on Coarse particles; Streakiness; Mudcracking; Brush marks; Orange peel; Visible sag; Runs</i>	603.1	Comment		

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. Once completed please return to NZPMA by email to: admin@paintman.org.nz or post to: NZPMA, P O Box 1282, Pukekohe 2340, Auckland, Attention: Donna Vincent