

LumiLab

Luminance Reflectance Value (LRV) Test Report

Homapal 8206 White Magnetic Gloss

19 December 2022

LumiLab

LRV
Tests

Luminance
Contrast

19 December 2022

Tested for: **HVG Building Pty Ltd**

Luminance Reflectance Value (LRV) Test Report – Homapal 8206 White Magnetic Gloss

Thank you for the opportunity to undertake LRV testing of the samples provided to our office.

Background

HVG Building Pty Ltd has engaged LumiLab to provide an LRV report for a laminate product.

Description of Sample

Five laminate samples were provided, each sample measures 70mm long x 50mm wide.



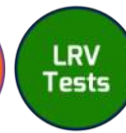
Technical Reference

This report references Appendix B of Australian Standard (AS) 1428.1-2009 '*Design for access and mobility, Part 1: General requirements for access – New building work*' (**AS 1428.1**)

Laboratory Testing Equipment

LumiLab uses compliant testing apparatus meeting AS 1428.1 Appendix B requirements:

- Model: Konica Minolta CR-400 tristimulus colorimeter
- Illuminating and viewing system: Diffuse illumination/ 0° (d/0) viewing angle, specular component included. Conforms to JIS Z 8722 condition c standard
- Light source: Pulsed xenon lamp
- Measurement time: 1 second
- Minimum measurement interval: 3 seconds
- Measurement / illumination area; \varnothing 8mm
- Observer: 2° Closely matches CIE 1931 Standard Observer
- Illuminant used: CIE Standard Illuminant D65
- Color space and colorimetric data: CIE for Yxy



Testing Methodology

The following is a summary of the laboratory testing methodology, conducted in accordance with requirements of AS 1428.1, Clause B3.3:

- The apparatus was firstly calibrated in accordance with the manufacturer's instructions.
- The tristimulus value 'Y' (LRV measurements) were taken in four (4) random locations on each sample in a dry condition.

Testing Ambient Conditions

The testing was undertaken under the following conditions:

- Date tested: 18 December 2022
- Consultant: Lee Wilson
- Temperature: 24.2°C
- Humidity: 40%

LRV Test Results

The following are the test results of the tristimulus value Y (LRV):

Dry LRV Measurements (Yd)					Homapal 8206 White Magnetic Gloss
84.11	83.87	84.19	84.72	84.38	
84.24	84.33	84.28	83.74	83.98	
84.55	84.28	84.38	83.91	84.12	
84.60	84.22	84.20	84.50	84.46	
Yd					84.25

Dry LRV mean average

The LRV mean dry average is: **84.25**

Yours sincerely,

Lee Wilson, Director / Access Consultant
C.Build E MCABE PEng(UK) MSPE MWOBO

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Statement of Limitations

This report has been prepared in accordance with the agreement between the Client and Egress Group Pty Ltd / LumiLab. Within the limitations of the agreed-upon scope of services, this engagement has been undertaken and performed professionally, by generally accepted practices, using a degree of skill and care ordinarily exercised by members of its profession and consulting practice. No other warranty, expressed or implied, is made.

Egress Group Pty Ltd / LumiLab is the owner of the intellectual property outlined in this report. The report shall only be presented in full and unauthorised use of this report in any form is prohibited.

It is important to note that the material tested is naturally subject to surface variations and Egress Group Pty Ltd / LumiLab cannot be held accountable or responsible for any variations in LRVs across different samples of the same material tested.

LumiLab is not currently accredited by the National Association of Testing Authorities (NATA).

LumiLab

Luminance Reflectance Value (LRV) Test Report

Homapal 8207 White Matt Projection

19 December 2022

LumiLab

LRV
Tests

Luminance
Contrast

19 December 2022

Tested for: **HVG Building Pty Ltd**

Luminance Reflectance Value (LRV) Test Report – Homapal 8207 White Matt Projection

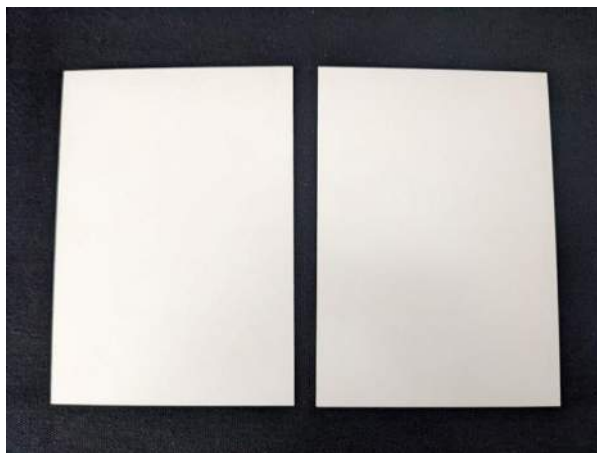
Thank you for the opportunity to undertake LRV testing of the samples provided to our office.

Background

HVG Building Pty Ltd has engaged LumiLab to provide an LRV report for a laminate product.

Description of Sample

Two laminate samples were provided, each sample measures 148mm long x 105mm wide.



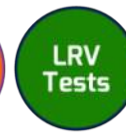
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- Light source: Pulsed xenon lamp
- Measurement time: 1 second
- Minimum measurement interval: 3 seconds
- Measurement / illumination area; \varnothing 8mm
- Observer: 2° Closely matches CIE 1931 Standard Observer
- Illuminant used: CIE Standard Illuminant D65
- Color space and colorimetric data: CIE for Yxy



Testing Methodology

The following is a summary of the laboratory testing methodology, conducted in accordance with requirements of AS 1428.1, Clause B3.3:

- The apparatus was firstly calibrated in accordance with the manufacturer's instructions.
- The tristimulus value 'Y' (LRV measurements) were taken in ten (10) random locations on each sample in a dry condition.

Testing Ambient Conditions

The testing was undertaken under the following conditions:

- Date tested: 18 December 2022
- Consultant: Lee Wilson
- Temperature: 24.2°C
- Humidity: 40%

LRV Test Results

The following are the test results of the tristimulus value Y (LRV):

Dry LRV Measurements (Yd)					Homapal 8207 White Matt Projection
84.12	84.24	83.92	84.34	84.08	
84.20	84.65	83.94	83.93	84.15	
84.53	84.20	84.63	84.87	84.39	
84.64	84.39	84.35	84.29	84.75	
Yd 84.33					Dry LRV mean average

The LRV mean dry average is: **84.33**

Yours sincerely,

Lee Wilson, Director / Access Consultant
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LumiLab

Luminance Reflectance Value (LRV) Test Report

Homapal 8208 Grey Magnetic Gloss

19 December 2022

LumiLab

LRV
Tests

Luminance
Contrast

22 December 2022

Tested for: **HVG Building Pty Ltd**

Luminance Reflectance Value (LRV) Test Report – Homapal 8208 Grey Magnetic Gloss

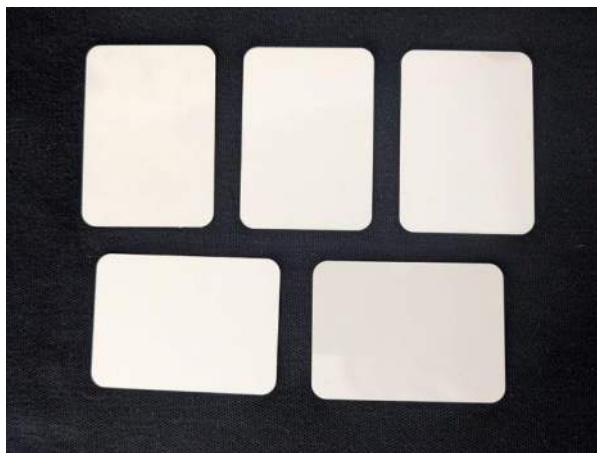
Thank you for the opportunity to undertake LRV testing of the samples provided to our office.

Background

HVG Building Pty Ltd has engaged LumiLab to provide an LRV report for a laminate product.

Description of Sample

Five laminate samples were provided, each sample measures 70mm long x 50mm wide.



Technical Reference

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Laboratory Testing Equipment

LumiLab uses compliant testing apparatus meeting AS 1428.1 Appendix B requirements:

- Model: Konica Minolta CR-400 tristimulus colorimeter
- Illuminating and viewing system: Diffuse illumination/ 0° (d/0) viewing angle, specular component included. Conforms to JIS Z 8722 condition c standard
- Light source: Pulsed xenon lamp
- Measurement time: 1 second
- Minimum measurement interval: 3 seconds
- Measurement / illumination area; \varnothing 8mm
- Observer: 2° Closely matches CIE 1931 Standard Observer
- Illuminant used: CIE Standard Illuminant D65
- Colour space and colorimetric data: CIE for Yxy



Testing Methodology

The following is a summary of the laboratory testing methodology, conducted in accordance with requirements of AS 1428.1, Clause B3.3:

- The apparatus was firstly calibrated in accordance with the manufacturer's instructions.
- The tristimulus value 'Y' (LRV measurements) were taken in four (4) random locations on each sample in a dry condition.

Testing Ambient Conditions

The testing was undertaken under the following conditions:

- Date tested: 18 December 2022
- Consultant: Lee Wilson
- Temperature: 24.2°C
- Humidity: 40%

LRV Test Results

The following are the test results of the tristimulus value Y (LRV):

Dry LRV Measurements (Yd)					Homapal 8208 Grey Magnetic Gloss
53.99	53.92	53.94	53.98	53.89	
53.93	53.95	54.04	53.97	53.90	
53.95	53.89	53.92	53.84	53.86	
53.95	54.09	53.95	53.95	54.00	
					Yd 53.95

Dry LRV mean average

The LRV mean dry average is: **53.95**

Yours sincerely,

Lee Wilson, Director / Access Consultant
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LumiLab

Luminance Reflectance Value (LRV) Test Report

Wilsonart 1573-09 Marker Board Frosty
White

19 December 2022

LumiLab

LRV
Tests

Luminance
Contrast

19 December 2022

Tested for: **HVG Building Pty Ltd**

Luminance Reflectance Value (LRV) Test Report – Wilsonart 1573-09 Marker Board Frosty White

Thank you for the opportunity to undertake LRV testing of the samples provided to our office.

Background

HVG Building Pty Ltd has engaged LumiLab to provide an LRV report for a laminate product.

Description of Sample

Two laminate samples were provided, each sample measures 127mm long x 89mm wide.



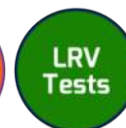
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- Light source: Pulsed xenon lamp
- Measurement time: 1 second
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- Measurement / illumination area; ø 8mm
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- Illuminant used: CIE Standard Illuminant D65
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Testing Methodology

The following is a summary of the laboratory testing methodology, conducted in accordance with requirements of AS 1428.1, Clause B3.3:

- The apparatus was firstly calibrated in accordance with the manufacturer's instructions.
- The tristimulus value 'Y' (LRV measurements) were taken in ten (10) random locations on each sample in a dry condition.

Testing Ambient Conditions

The testing was undertaken under the following conditions:

- Date tested: 18 December 2022
- Consultant: Lee Wilson
- Temperature: 24.2°C
- Humidity: 40%

LRV Test Results

The following are the test results of the tristimulus value Y (LRV):

Dry LRV Measurements (Yd)					Wilsonart 1573-09 Marker Board Frosty White
84.90	84.94	84.74	84.75	84.84	
84.90	84.80	84.71	84.81	84.92	
84.56	84.46	84.66	84.73	84.71	
84.62	84.68	84.91	84.65	84.72	
Yd 84.75					Dry LRV mean average

The LRV mean dry average is: **84.75**

Yours sincerely,

Lee Wilson, Director / Access Consultant
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