

Emission Test Certificate

Wednesday November 18th, 2020

Supplier: Zenthe® Limited (8 Cooper Street, Havelock North, Hawkes Bay, 4130, NEW ZEALAND)

Sample Description: Plywood 18mm - Zenthe Globe & Impact

Date Tested: November 2020 (Tested through FORAY Laboratories - NATA Accreditation 1231)

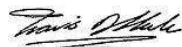
Test Method: ASTM D5116:2017 "Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Materials/Products".

Emission Data (24 hrs exposure):

<p>New Zealand Green Building Council</p> <p>Green Star Design & As Built V1.0 13.1.2B & 13.2</p> <p>Green Star Interiors V1.0 - 12.1.2B</p>	<p>Plywood 18mm</p> <p>Zenthe Globe & Impact</p>
<p>Total Volatile Organic Compound Emission Rate limit: ≤0.5 mg/m²/hr</p>	<p>Total Volatile Organic Compound Emission Rate: 0.013 mg/m²/hr</p>
<p>Formaldehyde Emission Rate limit: ≤0.100 mg/m²/hr</p>	<p>Formaldehyde Emission Rate: 0.005 mg/m²/hr</p>



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V2011028

Formaldehyde Emission Test Certificate

Tuesday July 27th, 2021

Supplier: Zenthe[®] Limited (8 Cooper Street, Havelock North, Hawkes Bay, 4130, NEW ZEALAND)

Sample Description: Zenthe FR MDF / Veneer Globe & Impact

Date Tested: November 2020 (Tested through FORAY Laboratories - NATA Accreditation 1231)

Test Method: EN 717-1 "Determination of formaldehyde release - Part 1: Formaldehyde emission by the chamber methods".

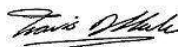
Emission Data (3 days exposure):

<p>Green Building Council of Australia Green Star Design & As Built V1.3 13.1.2B & 13.2 Green Star Interiors V1.3 - 12.1.2B</p>	<p>Zenthe FR MDF / Veneer Globe & Impact</p>
<p>Formaldehyde Emission Concentration limit for EN-717-1: $\leq 0.120 \text{ mg/m}^3$</p>	<p>Formaldehyde Emission Concentration*: 0.093 mg/m^3</p>

* The stated result was calculated from an emission rate applied to the Greenguard standard room model using 11.2 m² exposed ceiling area, room volume of 32 m³, and ventilation rate of 0.72 hr⁻¹.



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