



INSTITUT PENYELIDIKAN PERHUTANAN MALAYSIA

Forest Research Institute Malaysia (FRIM)

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Portal Rasmi: www.frim.gov.my

Your Ref:

Our Ref: FRIM(S).600-5/6/10Klt.19(32)

Date: 12 July 2022

CONFIDENTIAL

Hyperack Sdn Bhd

No. 40G & MF, Lintang Gelugor,

Off Persiaran Sultan Ibrahim,

41300 Klang, Selangor

(Attn: Ms. Nana)

Sir,

TEST REPORT: FORMALDEHYDE EMISSION TESTING-JN133/22

(Amendment to the test report FRIM(S).600-5/6/10Klt 19(13) dated 5 July 2022).

Amendment to the test report FRIM(S).600-5/6/10Klt 19(13) dated 5th July 2022 has been made in sample description by changing the type of board from MDF to HDF.

Thank you

Your sincerely,

(.....)

DR. SUFFIAN MISRAN

On behalf of

Director General FRIM

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MAKMAL PENGUJIAN KIMIA (CTL)
INSTITUT PENYELIDIKAN PERHUTANAN MALAYSIA (FRIM)
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TEST REPORT

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This report is neither a certificate of quality nor an approval certificate. This report is only covers samples supplied by customer to be tested at FRIM. Wood Composite Testing Laboratory (WCTL) is not responsible in selection of samples for testing. This report or any part of it cannot be published or used for any other purposes except with the permission from FRIM.	

CUSTOMER

Name and Address : Hyperack Sdn Bhd
No. 40G & MF, Lintang Gelugor,
Off Persiaran Sultan Ibrahim,
41300 Klang, Selangor

SAMPLE DESCRIPTION

WCTL serial number : 2690622 - 2700622
*Sample Identity : A) E1 18mm
B) E2 18mm
*Manufacturer & place : -
*Lot number : -
*Type of board : HDF
Thickness (mm) : 18mm
*Density (kg/m³) : -
Cut-off location of test specimen : Cut out from central part in parallel to the longitudinal direction of a products
*Storage condition after manufacture : -
*Sampling method & date : -
*Place and conditioning of sampling : -
of test specimens from factory
*Provided by customer
Note: The remaining samples will be disposed after testing has been carried out.

TEST PERFORMED

Tested for : Formaldehyde determination
Standard Method : JIS A 1460-Determination of the emission of formaldehyde from building boards-Desiccator method
Name of test body : FRIM
Conditioning of test samples : June 16 – 23, 2022
Date of samples tested : June 23 – 24, 2022

Approved by


Dr. Suffian Misran
Research Officer
IKM No.: M/3357/6206/12

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TEST RESULT

No. of test specimen : 1
No. of replicate : 2
Conditioning test specimen : 20.6°C & 60%
(Temperature & Humidity)
Duration of conditioning : 7 days
specimen
Temperature and humidity at : 19.9°C
test place
Person in charge of testing : Azlina Azit
Background value : Below 0.1 mg/L
Test duration : 24h

Formaldehyde Emission (desiccator method) :

Sample ID	Formaldehyde concentration obtained		
	Individual value (mg/l)		Mean value (mg/l)
E1	0.3	0.3	0.3
E2	4.3	4.2	4.2

Approved by

Dr. Suffian Misran
Research Officer
IKM No.: M/3357/6206/12

-----END OF REPORT-----

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