

SGS

Certificate SGS-COC-006091  
SGS-CW-006091

The management system of

# Evergreen Fibreboard (Nilai) Sdn Bhd

Lot 5776, Nilai Industrial Estate  
Nilai, Negeri Sembilan, 71800, Malaysia

has been assessed and certified as meeting the requirements of



## Chain-of-Custody

The company was assessed against the following standards:  
FSC-STD-40-004 V2-1 Standard for COC Certification – October 2011

for the products detailed in the scope below

Purchase of FSC 100% logs and wood slabs, manufacture using transfer  
system and sales of FSC 100% MDF

This certificate is valid from 15 April 2014 until 14 April 2019  
Issue 2. Certified since April 2009  
SGS Ref # MY09/01403

Authorised by

SGS South Africa (Pty) Ltd, Qualifor Programme  
PO Box 82582 Southdale 2135, 58 Methyl Street Booyssens Johannesburg 2091 South Africa  
t +27 (0) 11 681-2537 f +27 (0) 11 681-2543 [http://www.sgs.com/en/Agriculture\\_Food/Fibrestrw/](http://www.sgs.com/en/Agriculture_Food/Fibrestrw/)



The validity of this certificate shall be verified on <http://csc.fsc.org/>  
For the full list of product groups covered by the certificate see <http://info.fsc.org/>  
This certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC-certified (or FSC Controlled Wood).  
Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is  
clearly stated on invoices and shipping documents.

This certificate remains the property of SGS and shall be returned upon request.

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The mark of  
responsible forestry



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## FSC certificate holder listing

Certificate Code: SCS-FM/COC-00108N  
License Code: FSC-C010333

Date printed: 28 / Sep / 2012

### Main addresses

Name: Kumpulan Pengurusan Kayu Kayan Terengganu  
Sdn. Bhd. (KPKKT)  
Address: Jalan Kalsium, Bandar Bukit Besi  
Dungun  
23200  
MALAYSIA  
Website:

### Contact Data

Name	Phone	E-mail
Arnina Rahmad		<a href="mailto:arninarahmad@gmail.com">arninarahmad@gmail.com</a>

### Certificate Data

Status: Issued  
First issue date: 21 / Apr / 2008  
Last issue date: 21 / Apr / 2008  
Expiry date: 21 / Apr / 2013  
Standard:  
Controlled Wood Code:  
Total Forest Area: 108,900.00 ha

### Certified Products Available

Product Type	Trade Name	Species	Primary Activity	Main Output Category
W1 Rough wood W1.1 Roundwood (logs)		Shorea spp., subg. Shorea; Dryobalanops spp.; Dipterocarpus spp.; Neobalanocarpus heimii (King) Ashton;	Logging	FSC 100%

### Reports Available

	Document Type	File name
<a href="#">View</a>	Public Summary Report	FM_PUB_KPKKT_011112.pdf



## Physical & Mechanical Properties

EVERGREEN  
MEDIUM DENSITY FIBREBOARD



Properties	Unit	Range of Thickness (mm)				
		2.5-4 (+/-0.2)	> 4-6 (+/-0.2)	> 6-12 (+/-0.2)	> 12-19 (+/-0.2)	> 19-30 (+/-0.2)
Thickness Tolerance (within panel)	mm	2.5-4 (+/-0.2)	> 4-6 (+/-0.2)	> 6-12 (+/-0.2)	> 12-19 (+/-0.2)	> 19-30 (+/-0.2)
Size Tolerance (within panel)	mm	+/- 2mm max in length and width				
Squareness	mm	+/- 2mm				
Density	kg/m <sup>3</sup>	770 - 800	750 - 800	710 - 760	690 - 720	680 - 710
Density Profile @ Core	%	85	85	80	80	75
Internal Bond	N/mm <sup>2</sup>	0.65	0.65	0.60	0.55	0.50
Modules of Rupture	N/mm <sup>2</sup>	30	25	22	20	18
Modules of Elasticity	N/mm <sup>2</sup>	n/a	2700	2500	2200	2000
Surface Soundness	N	2600	2600	2400	2400	2200
Screw Holding						
- Face	N	n/a	n/a	n/a	1000	900
- Edge	N	n/a	n/a	n/a	800	600
Thickness Swelling (24hr)	%	35	30	15	12	10
Water Absorption (24hr)	%	60	50	30	25	20
Dimensional Stability (rh 35-85%)						
- Length/Width	%	0.5	0.5	0.5	0.4	0.4
- Thickness	%	6	6	6	5	5

Evergreen MDF is a premium quality board which is suitable for a wide range of applications, especially furnitures and mouldings.  
MC = 6% +/- 2

# Specifications

<b>PRODUCT:</b>	<b>MDF</b>	<b>MDF</b>	<b>HDF</b>
<b>WOOD SPECIES:</b>	RUBBER WOOD	RUBBER WOOD	MIXED TROPICAL HARDWOOD (Latex Free)
<b>RESIN USED:</b>	UF	MUF	UF

*MDF: Medium Density Fibreboard*

*HDF: High Density Fibreboard*

*UF: Urea Formaldehyde*

*MUF: Melamine Urea Formaldehyde*

**PRODUCT : MEDIUM DENSITY FIBREBOARD**  
**WOOD SPECIES : RUBBER WOOD**  
**RESIN USED : UREA FORMALDEHYDE (UF)**

Mechanical Properties	Unit	Thickness (mm)			
		15	18/12	18/16/18	25
Density	kg/m <sup>3</sup>	730 - 830	730 - 760	700 - 720	680 - 700
Board Moisture	(%)	6 - 8	6 - 8	6 - 8	6 - 8
Modulus of rupture	N/mm <sup>2</sup>	37	32	32	30
Internal Bond	N/mm <sup>2</sup>	0.30	0.75	0.75	0.70
Screw Holding (Face)	N	-	-	1100	1000
Screw Holding (Edge)	N	-	-	900	700
Thickness Swelling (Max)	%	17	12	8	8

*- Type = E2  
 - All With EFl20 standard.*

**\* 24-hour immersion in 20 (+/-2) degrees Celsius water.**

	CRITERIA	PREMIUM
1.	Mechanical properties	Passed (As per above)
2.	Surface	Smooth
3.	Thickness tolerance 6 mm and below	+/- 0.15 mm
	Thickness tolerance more than 6 mm	+/- 0.20 mm
4.	Dimension (length/width) tolerance	+/- 2.00 mm
5.	Squareness tolerance	+/- 3.00 mm
6.	Latex spots	not more than 3 spots
7.	Size of latex spots	not more than 5 mm