Description : **OKAL WOOD**

PRODUCT COMPOSITION

Raw Material :	Mixture of more than 100+ species of natural hardwood from Viet Nam forestry.
Type of Glue :	MUF (Melamine – Urea – Formaldehyde (14L520)
Technology :	A German technology applied for Panel Board Industry (Plywood, Particle Board, MDF …)
Pressing Time :	90 minutes at heat temperature of 250°C

ACTUAL APPEARANCE	
	
BRIGHT	LIGHT

COMPOSITION of GLUE	
Melamine urea formaldehyde polymer	52% - 60%
Water	40% - 48%
Formaldehyde	<0.5%
Note : This resin conform the British Standard (MR) and Japanese Standard (JAS) – Type II	

PHYSICAL PROPERTIES	
Density (kg/m^3)	560.00~720.00 kg/m^3
Young's Modulus	9.300E+009 Pa
Poisson's Ratio	0.3500
Yield Strength	4.660E+007 Pa
Ultimate Tensile Strength	5.500E+006 Pa
Thermal Conductivity	0.140 W/(mc)
Linear Expansion	4.900E-006 ul/c
Specific Heat	1.200E+003 J/(kg c)

PHYSICAL ANALYSIS		
Description of sizes	100x100x100 (mm)	100x100x1200 (mm)
Density (kg/m3)	560 kg/m^3	720 kg/m^3
Thickness Tolerance (mm)	+/- 0.50 (mm)	+/- 0.50 (mm)
Width Tolerance (mm)	+/- 0.10 (mm)	+/- 0.10 (mm)
Bending Strength (MOR) (kg/cm2)	25	25
Moisture Content	8-10%	8-10%
Thermal Resistance	120°C	120°C
Modulus of Elasticity (MOE) (kg/cm2)	380 kg/m^3	380 kg/m^3
Emission from Flue Gas During Combustion	Like hardwood	Like hardwood

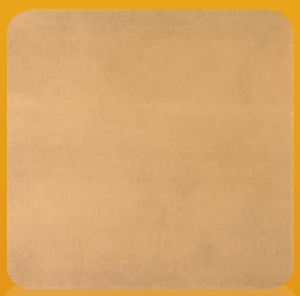
Description : # MDF – Medium Density Fiberboard

PRODUCT COMPOSITION

Raw Material :	Mixture of more than 100+ species of natural wood from Viet Nam forestry.
Type of Glue :	MUF (Melamine – Urea – Formaldehyde (14L520)
Technology :	A German technology applied for Panel Board Industry (Plywood, Particle Board, MDF)
Pressing Time :	~20 minutes at heat temperature of 200~250°C

COMPOSITION of GLUE	
Melamine urea formaldehyde polymer	52% - 60%
Water	40% - 48%
Formaldehyde	<0.5%
Note : This resin conform the British Standard (MR) and Japanese Standard (JAS) – Type II	

ACTUAL APPEARANCE



BRIGHT

LIGHT

PHYSICAL DIMENSIONS & WEIGHT	
Thickness	15mm~25mm
Dimensions	1220mm X 2440mm 4” X 8”
Weight	40~45 Kilograms

PHYSICAL PROPERTIES	
Density (kg/m^3)	≥450 kg/m^3
Moisture Content	<20%
HAZARD IDENTIFICATION	
Physical Hazard	Non-Classifiable
Health Hazard	Non-Classifiable
IMMEDIATE HAZARD (During Process)	
Inhalation	May cause irritation of the nose & throat
Skin	May cause irritation
Eyes	May cause irritation
FIRST AID	
Inhalation	In case of inhalation of dust causes adverse effects, remove to fresh air. If discomfort persists, seek medical advice
Skin	In case of irritation from dust generated from processing of MDF, wash with water
Eyes	In case particles enter the eyes during processing, immediately flush eyes with plenty of water. If irritation persists, pls seek medical advice

STABILITY & REACTIVITY
Chemical Stability: *Chemically stable under normal conditions*
Condition to Avoid: *Avoid open flames and environments with high moisture and temperatures*
Incompatible Material: *Avoid contact with oxidizing agents and strong acid.*

Description : **MDF – Medium Density Fiberboard**

Material Data Composition & Specification

STT	TÊN CHỈ TIÊU	TIÊU CHUẨN VÀ PHƯƠNG PHÁP THỬ	ĐVT	MỨC TIÊU CHUẨN
01	Kích thước ván (rộng ´dài)	EN 324 -1; EN 324-2	mm	(1830´2440) ±5
02	Chiều dày		mm	(6 -30) ±0.3
03	Cường độ chịu uốn	EN 310	N/mm2	18-23
04	Độ kết dính bên trong	EN 319	N/mm2	>=0.50
05	Trương nở chiều dày sau khi ngâm nước 24 h	EN 317	%	<=30
06	Độ ẩm	EN 322	%	4 – 15
07	Tỷ trọng	EN 323; EN 325	Kg/m3	650 – 850
08	Độ bám vít với chiều dày >=12 - Bề mặt - Cạnh	EN320	N N	>=800 >=700
09	Hàm lượng Formaldehyde loại ván E2	EN 120 Perfarator	mg/100g	9 <=E2<=30
10	Hàm lượng Formaldehyde loại ván CARB- P1	ASTM D 6007-02	Ppm	0.21
11	Hàm lượng Formaldehyde loại ván MDF CARB- P2	ASTM D 6007-02	Ppm	0.11
	Hàm lượng Formaldehyde loại ván Thin MDF CARB- P2	ASTM D 6007-02	Ppm	0.13