



**DesertBoard.**  
By Al Talah Board Manufacturing Co. LTD

**WORLD'S  
FIRST  
WOODEN  
BOARD  
MADE  
FROM  
DATE  
PALM  
WASTE**

# **COMPANY SUBMITTAL**



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# INTRODUCTION LETTER

We at Desert Board would like to thank you for providing this opportunity to showcase our expertise with the world's first Engineered Board manufactured from date palm waste. Our innovation is unique and the only of its kind globally.

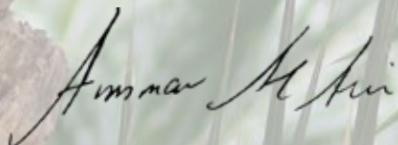
Desert Board is a brand owned by AL Talah Board Manufacturing Company Ltd. We are based in KIZAD, Abu Dhabi, and are producing Palm Strand Boards. Our products are certified and accredited by the world's leading governing bodies and are produced in a state-of-the-art technology plant.

We are producing Palm Strand Boards in various thicknesses. Our range of products can be used in applications such as furniture, interior decoration, exterior applications, carpentry, construction, and many more.

We welcome you on board with our journey to making our planet sustainable, environment-friendly, and more habitable with constant improvement and innovation in every aspect of life.

Sincerely,

Ammar Al Ani  
General Manager

A handwritten signature in black ink, reading "Ammar Al Ani". The signature is fluid and cursive, with the first name "Ammar" being more prominent and the last name "Al Ani" following in a similar style.






## OUR VISION

To be the preferred manufacturer of engineered wooden products that partner in sustainable nation building.

## OUR MISSION

We aim to deliver innovative solutions that meet the needs of our customers. Together with our exceptional team and strong stakeholder relationships, we commit to the highest standards of quality, productivity, and sustainability that drives stakeholder value and long-term success.





# ABOUT DESERTBOARD





## ABOUT US

Located in KIZAD, Abu Dhabi. Desert Board is the first Palm Strand Board (PSB) manufacturer in the world. With over 56,000 m<sup>2</sup> of innovation, our plant is capable of producing 2.2 million boards per year using only 15% of the abounded UAE palm waste materials that were destined for landfills or are composted where it would take a long time to biodegrade.

At Desert Board, quality is not just a product-centric goal but an Omni-organizational goal. With a firm belief that quality begins and thrives with people, the management has inculcated a quality culture in the very thought process of the organization.

By seeking premium quality, we made a product that exceeds international standards and delivers a reliable, economical, and most importantly sustainable solution for you.







## ABOUT OUR LABS

Desert Board has effectively pledged its reputation as the market leader in the quality of Strand board manufacturing and product innovation. Our labs are equipped with State-of-the-art process control instrumentation, advanced automation, and quality control systems.

With constant strive for success, the Testing Laboratory works with our Research and Development laboratory endlessly to ensure the quality of our product is comparable to the best available in the market at all times.

With the efforts of our laboratories and our management's innovation, we have produced a board that complies with the European Standards EN30:2006 and certified by various local and global entities as a sustainable solution for a better future.





## ABOUT OUR PLANT

With special functions and advanced technologies, our plant can be classified as a state-of-the-art. Being the first plant in the world that can transform palm waste into functional palm strand boards, we can ensure that we can lead the market and the industry with confidence.

Our plant is certified by ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018, and our processes are certified by the Forest Stewardship Council, Emirates Green Building Council, and a United Nations signatory of the Global Compact initiative and Climate Neutral Now.

Our plant is equipped with high-efficiency wood dust filtration systems, which are installed for the main manufacturing process as well as at various transfer points to avoid dust emissions into the atmosphere. The plant is controlled by a Central Control Room with built-in software and the latest technologies to recycle up to 80% of wood dust generated during the board manufacturing process for energy production.







# OUR PSB RANGE



# PSB

Structural







# PSB

## Structural

### DESCRIPTION

PSB Structural is an Environmentally-friendly wooden board made from palm waste materials, making it a 100% sustainable board suitable for a wide range of applications. PSB Structural can come in different thicknesses that range between 10 mm and 44 mm.

PSB Structural can be used a versatile building material for indoor and outdoor applications.

PSB Structural is free from Formaldehyde making it E=0 product, with zero toxic emissions.

### FEATURES



Environmentally Friendly



100% Sustainable



Zero Emissions



High-Strength & Durable



Load-Bearing Capabilities



Suitable in Humid Areas



Superior Screw Withdrawal



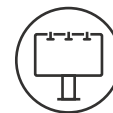
Versatile Building Materials

### APPLICATIONS

PSB Structural is a wood-based panel suitable for house building, sites hoarding, flooring, roofing, signage and billboards, portacabin, modular houses and many other applications.



House Building



Signboards & Billboards



Sites Hoarding



Portacabins & Modulars

### CERTIFICATIONS

PSB Structural has been tested by Dubai Central Laboratory and other 3rd party laboratories. It has been certified by Dubai Municipality as Al Sa'fat Green Building System and is in compliance with the European Standards EN300:2006.



### TECHNICAL DATA

BOARD PROPERTIES	UNIT	PSB ®	MDF	Chipboard	OSB
THICKNESS SWELLING	%	14.12	10	13	25
INTERNAL BOND	N/mm <sup>2</sup>	0.50	0.55	0.24	0.26
BENDING STRENGTH	N/mm <sup>2</sup>	19	18	11.5	16
MODULUS OF ELASTICITY IN BENDING	N/mm <sup>2</sup>	3600	2100	1600	2500
SCREW WITHDRAWAL	N/mm <sup>2</sup>	1570	1160	1200	2100



The image shows a modern, dark-stained wooden building with a prominent A-frame roof structure. A large, light-colored wooden deck extends from the building, featuring a long, low wooden table and several black metal mesh chairs. A large, cylindrical copper planter with dried grass sits on the deck. In the background, a calm lake reflects the sky, with distant mountains visible under a cloudy sky. The building's design is minimalist and integrates with the natural surroundings.

# PSB

Design





# PSB

## Design

### DESCRIPTION

PSB Design is an Environmentally-friendly wooden board made from palm waste materials, making it a 100% sustainable board suitable for a wide range of applications. The boards come with exterior layers of HDF that provide a smooth finish and to increase the board's strength. PSB Design can come in different thicknesses that range between 10 mm and 44 mm. Each board can be customized with different finishes that will suit your required designs. PSB Design is free from Formaldehyde making it E=0 product, with zero toxic emissions.

### APPLICATIONS

PSB Design is a wood-based panel suitable for furnitures, kitchen cabinets and wooden structures such as wall decors, booths, floors and panelling and many more.

### CERTIFICATIONS

PSB Design has been tested by Dubai Central Laboratory and other 3rd party laboratories. It has been certified by Dubai Municipality as Al Sa'fat Green Building System and is in compliance with the European Standards EN300:2006.

### FEATURES



### TECHNICAL DATA

BOARD PROPERTIES	UNIT	PSB ®	MDF	Chipboard	OSB
THICKNESS SWELLING	%	14.6	10	13	25
INTERNAL BOND	N/mm <sup>2</sup>	0.55	0.55	0.24	0.26
BENDING STRENGTH	N/mm <sup>2</sup>	25.36	18	11.5	16
MODULUS OF ELASTICITY IN BENDING	N/mm <sup>2</sup>	3430	2100	1600	2500
SCREW WITHDRAWAL	N/mm <sup>2</sup>	1745	1160	1200	2100





# PSB

EcoCore







# PSB

## EcoCore

### DESCRIPTION

PSB EcoCore is an Environmentally-friendly wooden board made from palm waste materials, making it a 100% sustainable board suitable for a wide range of applications. The boards come with exterior layers of HDF that provide a smooth finish and to increase the board's strength. PSB EcoCore can come in different thicknesses that range between 10 mm and 44 mm. PSB EcoCore is free from Formaldehyde making it E=0 product, with zero toxic emissions.

### FEATURES



### APPLICATIONS

PSB EcoCore is a wood-based panel suitable for doors and door cores.



### CERTIFICATIONS

PSB EcoCore has been tested by Dubai Central Laboratory and other 3rd party laboratories. It has been certified by Dubai Municipality as Al Sa'fat Green Building System and is in compliance with the European Standards EN300:2006.



### TECHNICAL DATA

BOARD PROPERTIES	UNIT	PSB ®	MDF	Chipboard	OSB
THICKNESS SWELLING	%	14.5	10	13	25
INTERNAL BOND	N/mm <sup>2</sup>	0.55	0.55	0.24	0.26
BENDING STRENGTH	N/mm <sup>2</sup>	25.36	18	11.5	16
MODULUS OF ELASTICITY IN BENDING	N/mm <sup>2</sup>	3430	2100	1600	2500
SCREW WITHDRAWAL	N/mm <sup>2</sup>	1745	1160	1200	2100










# VALUE PROPOSITION





## WHY DESERT BOARD?

Desert Board is the region's most advanced board manufacturing facility, with keen minds to develop the perfect building materials, it is the trusted partner you will need to reach new heights and achieve great goals. Desert Board delivers an array of added values, such as:

-  Locally sourced, manufactured and Produced.
-  Contribute to the circular economy.
-  Reduces the carbon footprint.
-  Helps the region drive to decarbonization.
-  No contributions to deforestation.





## WHY PSB?

Our research and development team works endlessly to develop a wooden board that checks all the boxes, we have developed a board that is an innovative solution to your requirements. Desert Board offers a product that is:

### E0 classified product

Formaldehyde is used in the glue as a cheap way to reduce the cost of the wooden boards, by doing that this exposure causes a variety of symptoms and adverse health effects. Long-term exposure to high levels of formaldehyde has been associated with cancer in humans. That's why obtaining the E0 Classification was a milestone in the process of making our PSB. E0 classification indicates that our product contains the minimum amounts of Formaldehyde.

### 100% Sustainable

Our PSB range provides environmental, social, and economic benefits while protecting public health and the environment over their whole life cycle. Providing the market with a wooden board that was made from the desert.

### Environmentally Friendly

Our PSB range is a friendly addition to the environment that is being made from the abundance of palm waste we collect locally. This waste was distanced to landfills to take 50 to 70 years to biodegrade or to the furnace to be burnt and produce carbon emissions into the atmosphere.

### High-Strength Board

The PSB range has been tested and improved to be used in load-bearing applications, with high screw withdrawal figures, and moisture resistance capabilities.







## WHAT ARE FORMALDEHYDE EMISSIONS?

Formaldehyde is a naturally-occurring organic compound. A colorless and strong-smelling gas, formaldehyde is naturally emitted by engineered wooden boards, as well as by processes like decay and combustion. It is an important ingredient in the production of industrial resins, including the adhesive that is used to bond engineered wooden boards. Any engineered wooden boards manufactured across the world are bonded with adhesives containing Formaldehyde either Phenol Formaldehyde or Urea Formaldehyde or Melamine Formaldehyde. As such Formaldehyde emissions are to be expected in all engineered wooden boards.

## How does the emissions matter?

Harmful emissions from formaldehyde contribute to poor indoor air quality. Being a common indoor air pollutant, formaldehyde has several short and long-term effects on human health with prolonged exposure:

Short-term: Nose and throat irritation, burning eyes, wheezing or difficulty in breathing, headaches, and nausea.

Long-term: COPD (Chronic Obstructive Pulmonary Disorder) & lungs cancer.

Recent pandemic also shows that people with healthy lungs are less affected with COVID-19.



### BRAIN

Headache, weakness, drowsiness/lethargy, difficulty concentrating, irritability, anxiety, nausea, dizziness.

### EYES

Dryness, itching/stinging, tearing, redness.

### UPPER RESPIRATORY TRACT

Dryness, itching/slinging, nasal congestion, nasal drip, sneezing, nosebleed, throat pain.

### LUNGS

Chest tightness, drowning sensation, wheezing, dry cough, bronchitis.

### SKIN

Redness, dryness, general and localized itching.

The National Toxicology Program (NTP) lists formaldehyde as “known to be a human carcinogen.”

The EPA has classified formaldehyde as a “probable human carcinogen.”

The International Agency for Research on Cancer (IARC) has concluded that formaldehyde is “carcinogenic to humans”.





## Determining Formaldehyde Emissions

Acceptable levels of Formaldehyde from wood panel products have been continuously reduced over the years. The driving forces have been the increased public awareness and consumer demand for non-hazardous products. Market demands for low-emitting products that lead to an increased requirement from companies for formaldehyde testing as part of their product development and quality control procedures.

## Levels of Formaldehyde - Al Sa'fat DGBS & European Standards

The classification of wood-based panels with respect to formaldehyde emissions according to both European Standard & Al Sa'fat Dubai Green Building System a body under Dubai Municipality is as given below:

Grade	mg/100 g	mg/L
E0	3	0.5
E1	8	1.5
E2	30	5
Test Method	Perforator Method	Desiccator Method

Grade	Effects
E0	Minimal Health Risk
E1	Nasal & Eye Irritation, Allergy
E2	Respiratory trach Infection, Eczema, Skin Irritation

## Testings and Certifications

TPC (Third party certificates) for formaldehyde emissions available with us which are given below:

Testing Laboratory	Testing Method	Acceptable Value	Achieved Value	Reference	Test Result
Dubai Central Laboratory	Desiccator Method	Max. 0.3 mg/L	Less than 0.30	Al Sa'fat Green Building System (Clause 701.08)	Passed
Wimpey Laboratories	Perforator Method	Max. 3 mg/100 g	Less than 0.01	European Standard (EN 120)	E0 Classification

Keeping health concerns in mind, we are using better and improved quality products conforming to Super E-0 in our range, which is a newly introduced category than indicates the absence of Formaldehyde in our products.



## WHAT IS OUR COMMITMENT TO SUSTAINABILITY?

Desert Board is an institution when it comes to innovation and sustainability. We produced the world's first Palm Strand Board from locally sourced palm tree fronds. We design innovative sustainable solutions in collaboration with communities, clients, & stakeholders to build a better future together. Our familiar lot depends upon a healthy global environment and sustainable management of the world's renewable forestry resources. In December 2021, we managed to produce an Engineered Wooden Board from Date Palm Fronds, and it was a milestone to be proud of. Sustainability is more than a commitment to us. We centered our business on this principle and made our core values related to it. Our raw materials are waste wood that was rescued and recycled into a reliable building material.

### Al Sa'fat – Dubai Green Building System



At Desert Board, we share the same vision as the Dubai government when it comes to the benefit of our community and future. That's why our products were certified with Al Sa'fat System (Clause 701.08) which rewarded our efforts in providing

a safe and sustainable product.

Our PSB products were tested based on Al Sa'fat System and according to the test results, a Certificate of Product Conformity was issued. These certifications assure our customers and stakeholders that our products care about the safety of our planet and the safety of our clients.

### United Nations - Global Change



**United Nations**  
Global Compact

Desert Board sustainability starts with a value system and a principles-based approach to doing business. This means operating in ways that, meet fundamental responsibilities in the areas of human rights, labor, environment, and anti-corruption.

We believe that good practices in one area do not offset harm in another. By incorporating the Ten Principles of the UN Global Compact into our strategies, policies, and procedures, and establishing a culture of integrity, we are not only upholding their basic responsibilities to people and the planet but also setting the stage for long-term success.

### United Nations - Climate Neutral Now



We are proud that Desert Board delivers a net carbon benefit in the products that we offer. This means we lock up more CO<sub>2</sub>e in our products (and a lifetime of use) than we emit making them.

That's accounting for everything from desert to customer, including harvesting, production, sales, and logistics.





# CERTIFICATES & TESTS

## TYPE 1B CERTIFICATE OF PRODUCT CONFORMITY

ISSUED TO : AL TALAH BOARD MANUFACTURING COMPANY LTD  
TAWEELAH , ABU DHABI, UAE.

Representative NIDAL MOHANNA  
Senior Public Relation Officer

PRODUCT DESCRIPTION : OSB Boards

Batch Number: 44101100,44101200 & 44123300

QUANTITY: 2440x1220x18mm x 30000 Pieces

MANUFACTURER: AL TALAH BOARD MANUFACTURING COMPANY LTD

STANDARD SPECIFICATIONS: : Al Sa'fat Clause 701.08 (Composite Wood)

TITLE OF STANDARD : Al Sa'fat Green Building Regulations and Specifications

SPECIFIC RULES NO. : DM-DCLD-RD-DP32-5116 (IC)

EVALUATION REPORT NO. : RA22051829

SAMPLE ID. NO./SENDER NO. : AJ4518

### ATTESTATION

***Dubai Central Laboratory Department-Products Conformity Assessment Section hereby attests that the product as described above conforms to the requirements of the standard specifications as mentioned.***

***This attestation is based on the results of tests conducted on samples selected from the above product using a sampling procedure given in the specific rules and evaluated as per attached Evaluation Report. It is applicable only to the product as described in this Certificate and does not cover the entire production of the factory.***



**ARIF HUSAIN AL MARZOOQI**

Products Conformity Assessment Section Manager  
Dubai Central Laboratory Department

**Certificate No:** BBCE-2022-001022

**Date Issued:** 13/07/2022

**Valid Up To:** 12/07/2023

***This certificate shall not be reproduced except in full and any alteration on this document will invalidate this certificate. The Evaluation Report mentioned above forms an integral part of this Certificate. This Document is electronically approved and does not required a signature. To verify the authenticity of this document please scan the above QR Code. This certification is in accordance with Certification Scheme Type 1b as described in ISO/IEC 17067***



**DUBAI CENTRAL LABORATORY DEPARTMENT**  
**TYPE 1 CERTIFICATION - EVALUATION REPORT**

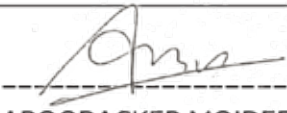

EVALUATION REPORT NO.	RA22051829
DATE:	12 <sup>th</sup> July 2022
COMPANY NAME	AL TALAH BOARD MANUFACTURING COMPANY LTD (CS-189)
PRODUCT DESCRIPTION	OSB Boards
REFERENCE STANDARD	RD-DP32-5116 (IC) Specific Rules for Type 1 Certification of Formaldehyde Content of Composite Wood Products as per 2020 Al Safat Dubai Green Building System Clause [701.08]
SAMPLE ID NO.	AJ4518
APPLICATION NO.	BBCE-2022-001022

**DETAILS OF EVALUATION:**

REQUIREMENT	STANDARD CRITERIA	RESULT	TESTING LABORATORY	TEST REPORT NO:	REMARKS
Formaldehyde Concentration	Max. 0.3 mg/L (0.3 µg/mL)	<0.30	DCL-Test Request No: EMTX-2022-1025828	460183	Passed

**FINAL RECOMMENDATION**

Since the above test results satisfactorily complied with the minimum requirements of System 1 Product Certification Specific Rules for Wood Products in accordance with the 2020 Al Safat Dubai Green Building System, issuance of Certificate of Product Conformity on the above mentioned product is hereby recommended

EVALUATED BY	NOTED & APPROVED BY
 ABOOBACKER MOIDEENKUTTY Principal Quality Products Inspector Date: 12 <sup>th</sup> July 2022	 NEDA MAHMOUD AL AWADHI Head, Conformity Assessment Unit Date: 12 <sup>th</sup> July 2022

 GOVERNMENT OF DUBAI	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	بلدية دبي DUBAI MUNICIPALITY 
	Document Title:	TEST REPORT FORMALDEHYDE LEVELS FROM WOOD PRODUCTS USING DESICCATOR	عنوان الوثيقة:	
	Doc. Ref. :	DM-DCLD-F-CM-0100	رقم الوثيقة:	

**CONSTRUCTION MATERIAL LABORATORY SECTION**  
**CHEMICAL ANALYSIS OF CONSTRUCTION MATERIAL UNIT**

Report No:	460183	Request No:	EMTX-2022-1025828
Project No:	CS-189	Report Date:	06/07/2022 09:21AM
Project Name:	AL TALAH BOARD MANUFACTURING COMPANY LTD		
Consultant:	DUBAI MUNICIPALITY		
Contractor:	AL TALAH BOARD MANUFACTURING COMPANY LTD		
Location: *	Factory Warehouse In Dubai		
Source: *	NOT GIVEN		
Sample Description: *	WOOD		
Product Name: *	OSB Boards		
Sampling Date/Time: *	10/06/2022 10:00AM	Lot/Batch/Coil/Heat No.*	44101100,44101200 & 44123300
Receiving Date/Time:	13/06/2022 01:11PM	Lot Size: *	30000 pieces
Sample Size /Quantity:	25 pieces	Sender No:	AJ4518
Material/Mix Type: *	NA	Laying Date/Production Date: *	NA
Nominal Size / Working Block Size (mm) : 127X70X18			

**TEST RESULTS**

PARAMETER		RESULTS	
Formaldehyde Concentration (Average per unit volume)-micro g/ml		<0.30	
SPECIFICATION LIMIT *		as per Al Sa'fat GBES [701.08]	
Sampled By:	AMKUTTY (DCL)	Tested By:	AKALLUVETTY
Sampled Brought By:	AMKUTTY (DCL)	Testing Date:	13/06/2022 01:11PM
Sampling Method:	DCL-IC-99	Sampling Report No:	NA
Test Method:	ASTM D5582-14	Test Method Variation:	NIL
Remarks:	CUSTOMER PERFORMED SAMPLING AND PROVIDED THE SAMPLE; THE RESULTS APPLY ONLY TO THE SAMPLE AS RECEIVED AND TESTED.THIS TEST METHOD IS CHOSEN BY CUSTOMER.		

**Disclaimer :** \* Information is supplied by the customer and Laboratory is not responsible for this data.

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 GOVERNMENT OF DUBAI	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	بلدية دبي DUBAI MUNICIPALITY 
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	Doc. Ref. :	DM-DCLD-F-CM-0100	رقم الوثيقة:	

**CONSTRUCTION MATERIAL LABORATORY SECTION**  
**CHEMICAL ANALYSIS OF CONSTRUCTION MATERIAL UNIT**

Report No:	460183	Request No: EMTX-2022-1025828
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**\*\*\* END OF REPORT \*\*\***

*This report is computer approved and authorized by Head of Unit and does not require any signature.*

PO Box 67, Dubai, UAE - Tel: (+971 4) 3027216 - Email: labs@dm.gov.ae - Website: http://www.dm.gov.ae

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Date of Issue :	02/05/2021	Rev No. : 3
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M/s. Al Talah Board manufacturing Company Ltd  
Abu Dhabi-UAE

Ref: CGSC/2022/0157  
Date: 19/05/2022

Attention: M/s. Al Talah Board manufacturing Company Ltd

**Subject:** Formaldehyde test on wood sample

TO WHOMSOEVER IT MAY CONCERN

Dear Sir/Madam,

This is to inform that, we received a sample of wood from **M/s. Al Talah Board manufacturing Company Ltd** on **06/04/2022** and the test was conducted and reported as per report number **WD-R-220406-0482**, the result obtained was  $<0.05 \text{ mg/kg}$  &  $<0.005 \text{ mg/m}^3$ . The tested sample confirms to E0 grade.

This letter was issued as per request from the client.

**Wimpey Laboratories LLC is an independent laboratory approved by EIAC & IAS under ISO 17025:2017.**

Please feel free to contact us for any clarifications.

**Signed for and on behalf of Wimpey Laboratories LLC**

S. Sarath Kumar  
Head of Department

-End of text-







**TEST REPORT ON THICKNESS SWELLING**

Client	Al Talah Board Manufacturing Company Ltd Abu Dhabi, UAE		
Sample Reference	N.G	Lab Report No.	WD-R-220329-0319/1
Sample Description	Oriented Strand Board (OSB)	Sample No.	WD-S-220329-0264
Source	Al Talah Board Manufacturing Company Ltd	Request No	WD-Q-220329-0133
Test Method	EN 317	Date Received	29/03/2022
Test Temperature	23°C	Date Tested	06/04/2022
Relative Humidity	50%	Date Reported	07/04/2022
Wimpey Ref No	220329-34	Tested By	SU

**Test Results**

Test	Unit	Result
Thickness Swelling	%	17.72
		18.00
		17.88
Average		17.87

Remarks: None

Signed for and on behalf of Wimpey Laboratories L.L.C

S. Sarath Kumar  
Head of Department

Test results relate only to the samples tested

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-End of text-





**TEST REPORT ON MODULUS OF RUPTURE**

Client	Al Talah Board Manufacturing Company Ltd Abu Dhabi, UAE		
Sample Reference	N.G	Lab Report No.	WD-R-220329-0319/2
Sample Description	Oriented Strand Board (OSB)	Sample No.	WD-S-220329-0264
Source	Al Talah Board Manufacturing Company Ltd	Request No	WD-Q-220329-0133
Test Method	EN 310	Date Received	29/03/2022
Test Temperature	23°C	Date Tested	06/04/2022
Relative Humidity	50%	Date Reported	07/04/2022
Wimpey Ref No	220329-34	Tested By	SU

**Test Results**

Sample Reference	Width (mm)	Thickness (mm)	Span (mm)	Max Load at Failure (N)	Modulus of Rupture (N/mm <sup>2</sup> )
WD-S-220329-0264	53.0	19.0	380	412.9	12.3
	53.0	19.0	380	422.5	12.6
	55.5	19.0	380	456.7	13.0
	53.0	19.0	380	455.8	13.6
	54.0	19.0	380	443.3	13.0
	Average Bending Strength (N/mm <sup>2</sup> )				12.9

Remarks: None

Signed for and on behalf of Wimpey Laboratories L.L.C

S. Sarath Kumar  
Head of Department

Test results relate only to the samples tested

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-End of text-







**TEST REPORT ON MODULUS OF ELASTICITY**

Client	Al Talah Board Manufacturing Company Ltd Abu Dhabi, UAE		
Sample Reference	N.G	Lab Report No.	WD-R-220329-0319/3
Sample Description	Oriented Strand Board (OSB)	Sample No.	WD-S-220329-0264
Source	Al Talah Board Manufacturing Company Ltd	Request No	WD-Q-220329-0133
Test Method	EN 310	Date Received	29/03/2022
Test Temperature	23°C	Date Tested	06/04/2022
Relative Humidity	50%	Date Reported	07/04/2022
Wimpey Ref No	220329-34	Tested By	SU

**Test Results**

Sample Reference	Width (mm)	Thickness (mm)	Span (mm)	Max Load at Failure (N)	Modulus of Elasticity (N/mm <sup>2</sup> )
WD-S-220329-0264	53.0	19.0	380	412.9	1633
	53.0	19.0	380	422.5	1722
	55.5	19.0	380	456.7	1728
	53.0	19.0	380	455.8	1821
	54.0	19.0	380	443.3	1699
	Average Modulus of Elasticity (N/mm <sup>2</sup> )				1721

Remarks: None

Signed for and on behalf of Wimpey Laboratories L.L.C

S. Sarath Kumar  
Head of Department

Test results relate only to the samples tested

This report shall not be reproduced except in full, without the written approval of the laboratory.

-End of text-





**TEST REPORT ON TENSION PERPENDICULAR TO SURFACE**

Client	Al Talah Board Manufacturing Company Ltd Abu Dhabi, UAE		
Sample Reference	N.G	Lab Report No.	WD-R-220329-0319/4
Sample Description	Oriented Strand Board (OSB)	Sample No.	WD-S-220329-0264
Source	Al Talah Board Manufacturing Company Ltd	Request No	WD-Q-220329-0133
Test Method	ASTM D1037-12(2020)	Date Received	29/03/2022
Test Temperature	23°C	Date Tested	06/04/2022
Relative Humidity	50%	Date Reported	07/04/2022
Wimpey Ref No	220329-34	Tested By	SU

**Test Results**

Description	RESULTS			
Test Number	1	2	3	4
Test Position	Vertical	Vertical	Vertical	Vertical
Area of Bond (mm <sup>2</sup> )	2500	2500	2500	2500
Max. Load Applied (N)	1369	1842	1621	1271
Bond Strength (N/mm <sup>2</sup> )	0.66	0.73	0.65	0.51
Average Bond Strength (N/mm <sup>2</sup> )	0.64			
Mode of Failure	Failure Observed from sample			

Remarks: None

Signed for and on behalf of Wimpey Laboratories

S. Sarath Kumar  
Head of Department

Test results relate only to the samples tested

This report shall not be reproduced except in full, without the written approval of the laboratory.

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# Material Safety Data Sheet

## 1. Identification of the Substance, Preparation, and Company

Product Name/Type:	Orientated Strand Board (OSB)
Application:	Building, Furniture, Decorative Fixtures, & Fittings
Supplier:	Al Talah Board Manufacturing LLC
	KIZAD A5
	Abu Dhabi
	United Arab Emirates
Contact:	00971 2 246 7042

## 2. Hazards Identification

Physical Hazard:	Not classified
Health Hazard:	Respiratory sensitizer

## 3. Composition/Information on Ingredients

No materials were identified for this purpose as specified in The CLP Regulations (Classification, Labelling, and Packaging) 2008.

Wood panel products contain the following:

Various species of Date Palm fronds & waste wood	77 – 91.6 %
Polymerized Resin (UF, MUF, p-MDI)	8 – 20 %
Wax and Hardener	0.4 – 3.0 %

## 4. First Aid Measures

<i>Inhalation:</i>	<p>Inhalation of wood dust can only occur during processing. If inhalation of dust causes adverse effects, remove it to fresh air. If discomfort persists seek medical advice. If a person suffers from Asthma, follow the below steps in case of an Asthma attack:</p> <ol style="list-style-type: none"> <li>1. Keep calm and reassure the casualty. Get the casualty to take their usual dose of reliever inhaler and use a spacer if they have one. Ask the casualty to breathe slowly and deeply.</li> <li>2. Sit the casualty down in a position that they find most comfortable.</li> </ol>
--------------------	--

	<ol style="list-style-type: none"> <li>3. A mild attack should ease within a few minutes. If it does not, the casualty may take one to two puffs from the inhaler every two minutes until the casualty has had ten puffs.</li> <li>4. Call 999/112 for emergency help if the attack is severe and one of the following occurs: the inhaler has no effect; the casualty is getting worse; breathlessness makes talking difficult; the casualty is becoming exhausted.</li> <li>5. Help the casualty to continue to use their inhaler as required. Monitor the casualty's vital signs – breathing, pulse, and level of response – until help arrives.</li> </ol>
<i>Skin Contact:</i>	In case of irritation from dust generated when processing the product, wash with water.
<i>Eyes:</i>	If particles enter the eyes during processing immediately flush the eyes with plenty of water. Seek medical attention if irritation persists.

## 5. Fire Fighting Measures

Not flammable at room temperature but will burn. In case of fire, soak or flood with water. For large fires, firefighters should wear appropriate emergency protective equipment, including self-contained breathing apparatus. Airborne wood dust may present an explosion hazard; standard precautions for dust control should be followed.

## 6. Accidental Release Measures

The product does not represent a hazard in sheet form. However, wood dust generated during processing should be contained, collected, and removed.

## 7. Handling and Storage

### *Manual Handling*

In sheet form, the product can present a manual handling risk due to physical dimensions and weight. Good lifting practice should be followed.

### *Storage*

Keep away from heat, sparks, flames, and other ignition sources. Store at room temperature. Keep away from moisture. Take care when removing the packaging.

## 8. Exposure Controls/Personal Protection

### *Exposure Controls*

During processing, the primary control for airborne dust is extracting ventilation at the source. Areas, where processing is taking place, should also be well ventilated.

### *Personal Protection*



Dust will be created during processing; use appropriate respiratory protection equipment that conforms to EN149 Type FFP2 as a minimum. FFP2 respirators can protect the wearer from concentrations of dust up to 10x the Workplace Exposure Limit. Wear gloves as required to prevent skin contact. Wear eye protection to prevent dust particles from entering eyes.

#### *Occupational Exposure Limit Values*

Under COSHH regulations, softwood dust has a **Workplace Exposure Limit (WEL) of 5 mg/m<sup>3</sup>**. This limit is placed on the amount of dust in the air, **averaged over an eight-hour working day**. Exposure should be reduced as far as is reasonably practicable below this limit. When using portable or handheld equipment a suitable dust mask should be worn. In any case the product should be machined in a well-ventilated area. Formaldehyde is present in the product at less than 0.01% and therefore is unclassifiable under the CLP Regulations.

### 9. Physical and Chemical Properties

<i>Appearance:</i>	Wood panels in various dimensions.
<i>Odor:</i>	None under ambient conditions

### 10. Stability and Reactivity

Considered stable and inert.

<i>Materials to avoid:</i>	Reducing and oxidizing agents
<i>Conditions to avoid:</i>	Heating and ignition sources and damp atmospheres.
<i>Thermal decomposition products may include:</i>	CO, CO <sub>2</sub> , aldehydes (including formaldehyde), particulate matter, and other organic compounds.

### 11. Toxicological Information

Wood panels are composed of softwood of various species bound together with a urea-formaldehyde resin. When it is machined, very fine dust is produced. As with other types of softwood dust, wood-panel dust is a potentially hazardous substance and should therefore be controlled. Softwood dust is not classified as a carcinogen.

### 12. Ecological Information

<i>Mobility:</i>	Not determined
<i>Degradability:</i>	Not determined
<i>Bioaccumulative Potential:</i>	Not determined
<i>Aquatic Toxicity:</i>	Not determined

### 13. Disposal Considerations

Manufacturing waste must be disposed of as Controlled Waste. The raw product is not classified as Hazardous Waste.



**DesertBoard.**  
By Al Talah Board Manufacturing Co. LTD

Document	MSDS/7/22
Updated by: Kayed Assaf	Date: 5/Jul/2022
Approved by: Perman Tazhe	Printed: 8/Jul/2022
Version: 1	Page 1 of 4

#### 14. Transport Considerations

<i>Supply Classification:</i>	Not classified
<i>Carriage Classification:</i>	Not classified
<i>UN Conveyance Classification:</i>	Not classified
<i>UN Number:</i>	None

#### 15. Regulatory Information

None

#### 16. Other Information

Further technical information may be obtained from:

***Al Talah Board Manufacturing LLC***

<i>Tel:</i>	00971 2 246 7042
<i>Fax:</i>	00971 2 671 7922
<i>Email:</i>	info@desertboard.ae
<i>Website:</i>	www.desertboard.ae

The above data has been presented in the form of a Material Safety Data Sheet for information only. Wood panel products manufactured and supplied by Desert Board (By Al Talah Board Manufacturing LLC) are not classified according to the CLP and COSHH regulations.





# LICENSES, MEMBERSHIPS, & CERTIFICATES



منطقة أبوظبي الحرة  
ABU DHABI FREE ZONE

رخصة صناعية  
Industrial License

License No:	ADFZ-50002	ADFZ-50002	رقم الرخصة:
Registration No:	02	02	رقم التسجيل:
Licensee:	Al Talah Board Manufacturing Company Ltd	شركة التالة لصناعة الألواح الخشبية المحدودة	المرخص له:
Operating Name:	Al Talah Board Manufacturing Company Ltd	شركة التالة لصناعة الألواح الخشبية المحدودة	الاسم التجاري:
Legal Type:	Limited Liability Company	شركة ذات مسؤولية محدودة	الشكل القانوني:
Address:	Plot no KHIA4-05 Taweelah, Abu Dhabi, United Arab Emirates	رقم الأرض KHIA4-05 الطويلة، أبوظبي، الإمارات العربية المتحدة	العنوان:
Manager:	Cian Farah	كيان فرح	المدير:
First Issue Date:	25 December 2011	25 ديسمبر 2011	تاريخ الإصدار الأول:
Current Issue Date:	25 December 2021	25 ديسمبر 2021	تاريخ الإصدار الحالي:
Expiry Date:	24 December 2022	24 ديسمبر 2022	تاريخ الانتهاء:
Activity:	1. Saw Milling & Planning of Wood 2. Plywood Industries 3. Home Furniture Manufacturing	1. تقطيع الأخشاب ونشرها 2. صناعة الألواح الخشبية 3. صناعة الأثاث المنزلي	الأنشطة:



هذا الترخيص مبدئي فقط، ويقتصر على المرخص له إكمال البناء المطلوب فقط حتى بدء التشغيل الفعلي، هذا الترخيص لا يسمح للمرخص له بمزاولة أي نشاط كما هو مبين أعلاه  
This license is pre operation license only, and limits the licensee to construction work and other property as may needed to become operational. This license does not permit the licensee to undertake any business activity as set above.

وثيقة إلكترونية معتمدة وصادرة بدون توقيع، كما أنها خاضعة للقوانين والأنظمة والقواعد المحددة من منطقة أبوظبي الحرة  
Approved electronic document issued without signature, and subject to the laws and regulations of Abu Dhabi Free Zone





شهادة تسجيل لضريبة القيمة المضافة في الامارات العربية المتحدة  
Certificate of Tax Group Registration in the United Arab Emirates

The Federal Tax Authority certifies the formation of the below Tax Group in the UAE تشهد الهيئة الاتحادية للضرائب أن الجهة التالية مسجلة لضريبة القيمة المضافة في الامارات العربية المتحدة

Tax Registration Number 100219704200003 رقم التسجيل الضريبي  
Effective Registration Date 01/01/2018 تاريخ التسجيل الفعلي

Full Arabic legal name شركة المقاولات الهندسية ذ.م.م الاسم القانوني الكامل باللغة العربية  
Full English legal name Engineering Contracting Co. (L.L.C.) الاسم القانوني الكامل باللغة الانجليزية  
Registered address N/A العنوان المسجل

Other members of the Group

No.	Name (English)	Name (Arabic)
1	Abanos Furniture & Decoration Industry (L.L.C.)	ابنوس لصناعة الاثاث والديكور (شركة ذات مسئولية محدودة)
2	United Masters Electromechanical LLC	يوناتيد ماسترز للأعمال الكهروميكانيكية ذ م م
3	Prime Metal Industries L.L.C	برايم للصناعات المعدنية ش.ذ.م.م
4	Prime Ready Mix L.L.C	برايم للخرسانة الجاهزة ش.ذ.م.م
5	Aurora Limited	أورورا ليميتد
6	Aurora Real Estate Development L.L.C	أورورا للتطوير العقاري ش.ذ.م.م
7	ECC G BUILDING MAINTENANCE L.L.C	اي سي سي جي لصيانة المباني ش.ذ.م.م
8	Al Talah Board Manufacturing Company Limited	شركة التالة لصناعة الألواح الخشبية المحدودة
9	Al Rimal Development Limited	الرمال ديفلومينت ليميتد
10	Cemento Engineering Contracting - L L C	سيمينتو للمقاولات الهندسية - ذ م م

First VAT return period 1 Jan 2018 – 31 Jan 2018 and monthly thereafter فترة أول إقرار لضريبة القيمة المضافة

First VAT return due date 28 Feb 2018 تاريخ استحقاق أول إقرار لضريبة القيمة المضافة

Start and end dates of Tax periods: Monthly

يرجى التأكد من صحة تفاصيل الشهادة. يجب إبلاغ الهيئة الاتحادية للضرائب في حال تغيير الاسس التي حصلت فيها على رقم التسجيل الضريبي الخاص بك.

Please ensure that the details on this certificate are correct. You must inform the Federal Tax Authority of any change on the basis of which you obtained your Tax Registration Number as a Tax Group.



*This is to certify that*

# *Al Talah Board Manufacturing Co. LTD*

*Supports the promotion and development of Sustainable Buildings  
in the United Arab Emirates, and is a*

**Corporate Member**

*of the*

**مجلس الامارات للابنية الخضراء  
Emirates Green Building Council**

*September 2022 – December 2022*

**H.E. Ali Al Jassim**  
Chairman

**Habiba Al Marashi**  
Co-Founder & Treasurer



# Certificate of Approval

This is to certify that the **Environmental Management System**

at

**AL TALAH BOARD MANUFACTURING COMPANY LTD.**

PLOT NO. KHIA4-05, TAWHEELAH - KIZAD,  
P.O.BOX 41543, ABU DHABI, UAE

has been examined by Assessors of QMS Certification Services Pvt. Ltd.  
and found to be conforming to the requirements of

## ISO 14001:2015

In respect of the following activities:

1. MANUFACTURING OF WOODEN BOARD PRODUCTS FROM PALM WASTE
2. HOME FURNITURE MANUFACTURING
3. MANUFACTURING OF PLYBOARDS
4. SAW MILLING & PLANNING OF WOOD

Current Issue Date 22/06/2019, Valid till 21/06/2022\*  
Original Certification 22/06/2019

UNDER  
RENEWAL



**Sanjay Kaushik**  
Managing Director





# Certificate of Approval

This is to certify that the **Occupational Health and Safety Management System**  
at

**AL TALAH BOARD MANUFACTURING COMPANY LTD.**

**PLOT NO. KHIA4-05, Taweelah - Kizad,  
P.O.Box 41543, Abu Dhabi, UAE.**


has been examined by Assessors of **QMS Certification Services Pvt. Ltd.**  
and found to be conforming to the requirements of

## ISO 45001:2018

In respect of the following activities:

1. MANUFACTURING OF WOODEN BOARD PRODUCTS FROM PALM WASTE
2. HOME FURNITURE MANUFACTURING
3. MANUFACTURING OF PLYBOARDS
4. SAW MILLING & PLANNING OF WOOD

Current Issue Date 07/11/2020, Valid till 21/06/2022\*  
Original Certification 22/06/2019

  
**Sanjay Kaushik**  
Managing Director



# Certificate of Approval

This is to certify that the **Quality Management System**  
at

**AL TALAH BOARD MANUFACTURING COMPANY LTD.**

**PLOT NO. KHIA4-05, TAWHEELAH - KIZAD,  
P.O.BOX 41543, ABU DHABI, UAE**


has been examined by Assessors of **QMS Certification Services Pvt. Ltd.**  
and found to be conforming to the requirements of

## ISO 9001:2015

In respect of the following activities:

1. MANUFACTURING OF WOODEN BOARD PRODUCTS FROM PALM WASTE
2. HOME FURNITURE MANUFACTURING
3. MANUFACTURING OF PLYBOARDS
4. SAW MILLING & PLANNING OF WOOD

Current Issue Date 22/06/2019, Valid till 21/06/2022\*  
Original Certification 22/06/2019

  
**Sanjay Kaushik**  
Managing Director





**DesertBoard.**  
By Al Talah Board Manufacturing Co. LTD

## Al Talah Board Manufacturing Co. LTD.

KIZAD, Abu Dhabi, UAE

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Fax : +971 2 6717 933

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Email : [info@desertboard.ae](mailto:info@desertboard.ae)

Website : [www.desertboard.ae](http://www.desertboard.ae)