







# Introduction

Emirates Panel Manufacture LLC (hereafter referred to as EPM) is a long standing and respected manufacturer, specializing in various grades of Aluminium Composite Panels, Polycarbonate Solid Sheets and Sun Sheets, certified with ISO 9001 :2015 certification for complying with the International Quality Standards and performing Quality Management System, designed to ensure that all products and services provided by EPM comply, as a minimum, with the specifications of our clients.

Having had a prominent presence in the UAE since the company's establishment back in 2017, our commitment to continued innovation, high quality standards and excellence in service has resulted in long term, mutually beneficial relationships with our ever-growing database of customers and suppliers alike.

With an industrial presence in countries spanning across the Middle East, Europe, Asia and Africa, EPM has a balanced geographic diversity within all the key composite and polycarbonate markets, both in developing and developed countries.

Through this association, EPM has an access to world-class research and development, best practice processes, aggressive procurement contracts and international market leverage to ensure the company remains at the cutting edge of the international composite and polycarbonate industries.







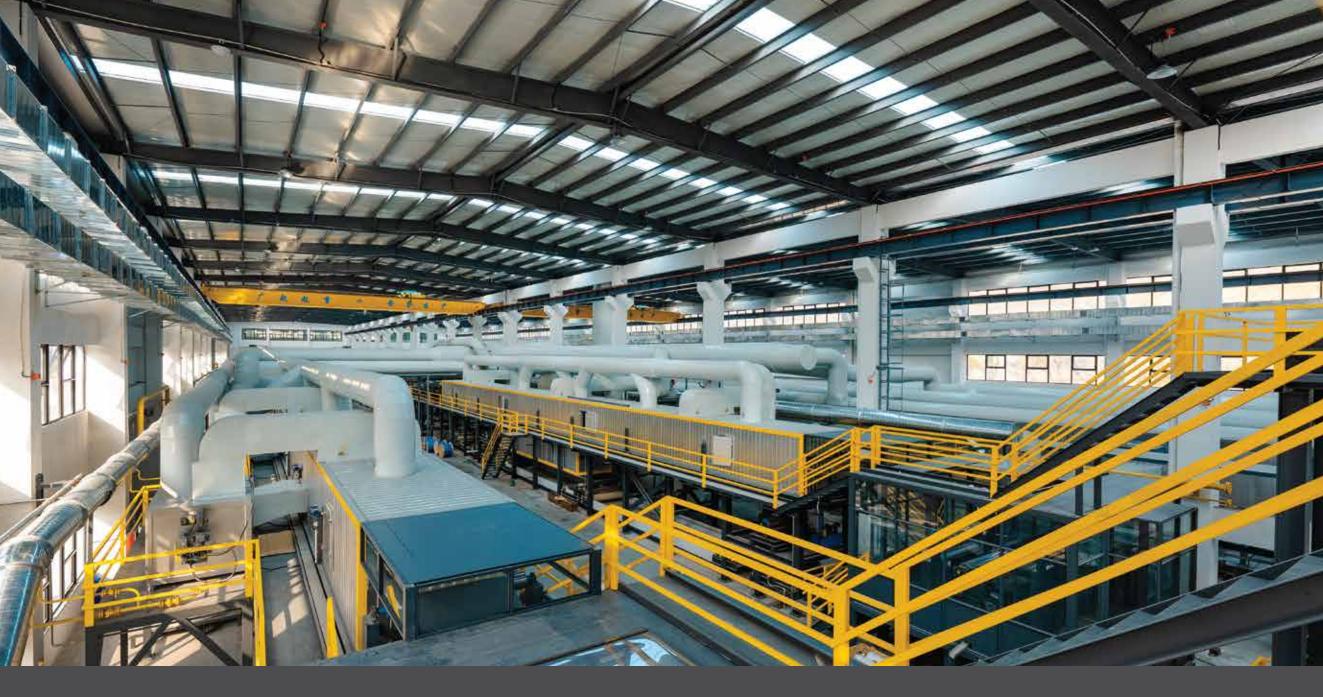
# Vision:

To add value to all our stakeholders through our market leadership position in the UAE by manufacturing quality material products safely, being an employer and supplier of choice, while striving to be among one of the lowest-cost composite and polycarbonate manufacturers in the world.

# Mission:

EPM will build on this vision as being an industry leader in quality, safety, ethics and education by:

- Creating long-term relationships with our customers by consistently exceeding their expectations
- Educating our workforce enabling them to complete their work tasks in the highest quality manner utilizing proven state-of-the-art technology
- Being a fair employer as well as a career and skills developer
- Producing innovative high-quality materials for our customers on time
- Strategically expanding our operations while realizing long-term profitability



Emirates Panel Produces and Provide

- Aluminium Composite Panel
- Coated Coil



# Aluminum Composite Panels

# Cladding

NON FR

FR B1

FR A2

# **Kitchen Cabinet**

Signage



## Coated Coil

# **Coated Coil ACP**

ULTRAFLON Coil Coating System

ULTRAFLECT Coil Coating System

ULTRAGLITZ Coil Coating System

ULTRAGUARD Coil Coating System

ULTRAPRIM Coil Coating Primer System

ULTRABACK Coil Coating Backer System

# **Coated Coil - Roofing**

**ULTRASHELL Coil Coating System** 

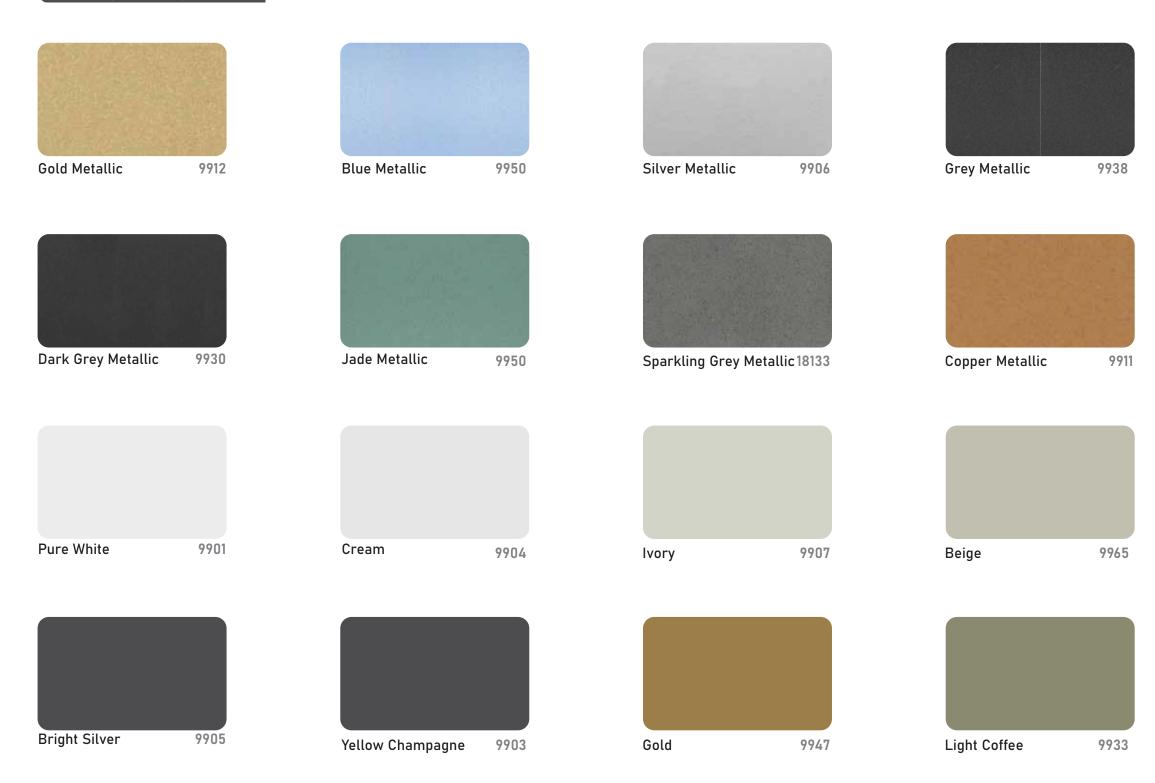






EPM METALLIC & SOLD

### EPM METALLIC & SOLD SERIES

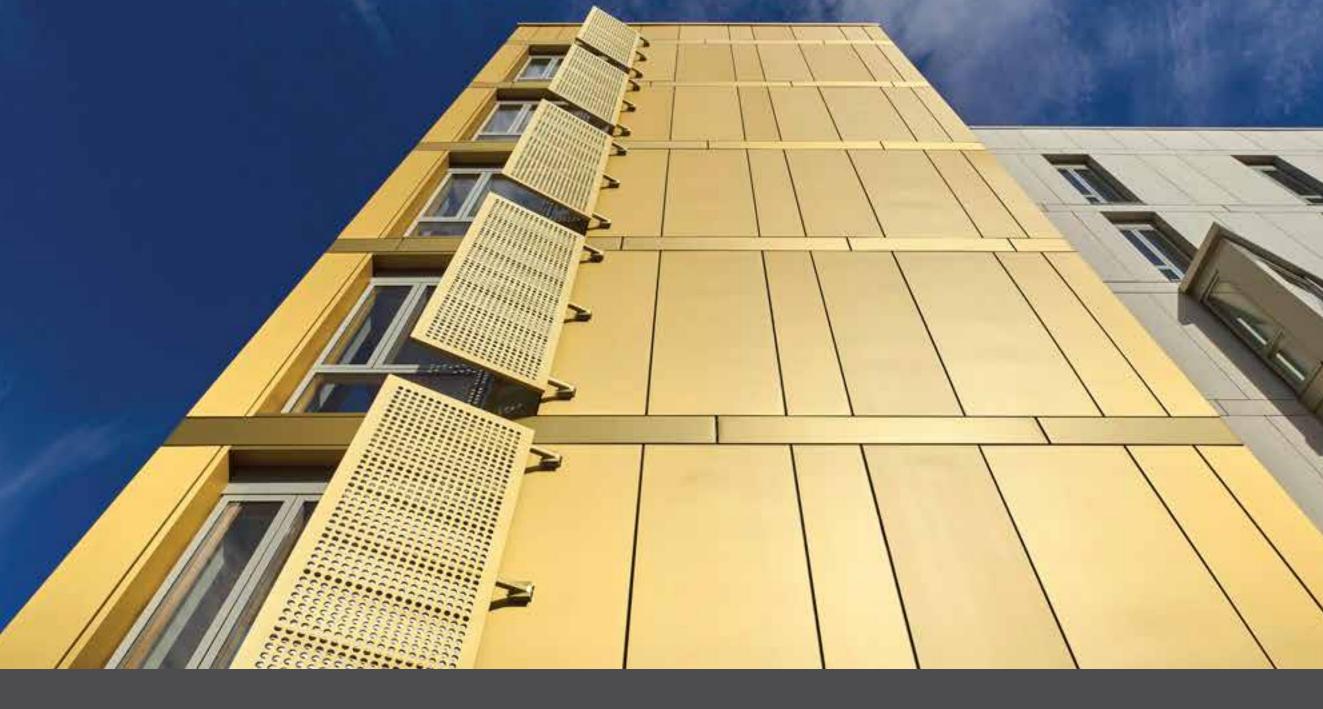


## EPM METALLIC & SOLD



# EPM METALLIC & SOLD



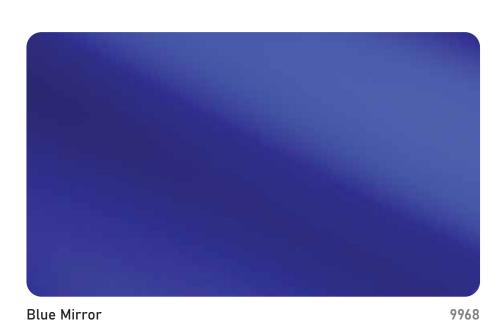


EPM SPECIAL COLOR

### EPM SPECIAL COLOR SERIES









### EPM special color series







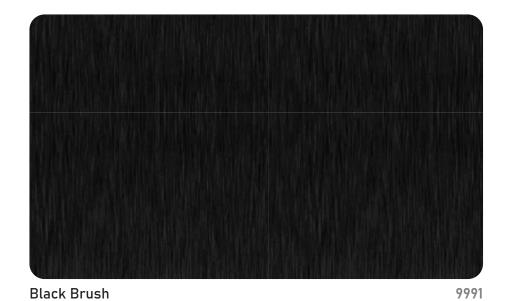


Gold Brush 9923



Blue Brush 9992

# EPM SPECIAL COLOR





Pearl White 98001











Red Oak M180



Mapple Wood M135



Iron Wood 1223





Matt Walnut 1814 Teak Wood 1815





Peach Wood 1235 Black Teak 1815-1

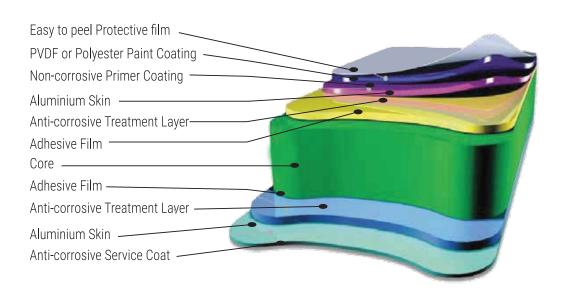








### STRUCTURAL COMPOSITION



### **BENEFITS & FEATURES**

#### **Greater Impact** Resistance



The core comprises a viscoelastic high molecular resin material preventing cracking of breaking, yet comes with exceptional high stiffness and impact resistance

#### **Weather Durability**



Panels are coated with Fluorocarbon (PVDF) resin that is able to withstand weather the possibility of acid alkali and salt-spray corrosion. Unaffected by radical changes in temperature and long term exposure of ultraviolet rays, providing up to 25 years without signs of colour fading.



properties, the panels perform well in extreme atmospheric conditions however imperative panels are maintained in strict accordance with EPM's 0&M cleaning guidelines and only neutral cleansers are applied to the surface.

#### Easy to maintain and clean



Having resilient coating

#### **Insulating and Sound** Proofing



ACP maximizes the effect of insulation and sound proofing proofing as the composition of the panel sound to penetrate through unlike aluminium, tiles and other

#### Smooth coating and Various color



One of the most unique physical properties of ACP is that it is flat, smooth and has an even surface. Creating a building's aesthetic look and feel is achieved from EPM's various and distinctive colour range that can be customized to suit requirements

#### **Economical** and **Ease of Installation**





system offering respectable acoustic and U-value features at reduced costs compared to other facade solutions Replacement costs are also more competitive considering the systems

### **MECHANICAL & MANUAL PROCESSING**









Folding





Bolting



Cutting



Drilling

### **SPECIFICATION**

1000mm, 1250mm, 1500mm, and up to 1590mm Width

Available Panel Thickness 3mm, 4mm, 5mm, 6mm Available Skin Thickness 0.5mm, 0.4mm, 0.3mm

Available Length 2440mm, 3200mm, 3600mm, and upto 6000mm

Weight 3mm=4.5kg/m2: 4mm=5.5kg/m2: 6mm=7.3kg/m2 (Polyethylene Core)

3mm=5.8kg/m2:4mm=7.6kg/m2:6mm=10kg/m2 (Modified Mineral Core)

Kynar 500 FSF PVDF Metalic and Solid & Polyester Matte and High Gloss Coating

Exterior Face of Bottom Skin

Polyethylene, Type LDPE

Fire Retardant Core Modified Mineral & Linear Low Density Polyethylene

Standard RAL Colours or Custom Colours Colours

As per Request Special Colours Customized Requirement Available

### **TECHNICAL SPECIFICATIONS**

### **Physical Properties**

Test Item	Test Value
Coating Thickness	>25µm
Pencil Hardness	3H

Gloss Tolerance 35.3 Adhesive Strength Grade 1

**Boiling Water Resistance** 2 Hrs, no change

Thermal Expansion 23.1 x 10-6/°C

0.030w/m.k Thermal Conductivity

Thermal Deformation Temperature ≥90°C

Acoustic Insulation 27dB

### Mechanical Properties

п		
i	Test Item	Test Value
i	Impact Resistance	50 kg/cm. no cracking
į	Bending Strength	>121Mpa
i	Shearing Strength	32Mpa
į	Peel Strength	1.1kg/mm
i	Tensile Strength	49Mpa / N/mm²
	Flexural Modulus of Elastic	2.12 x 104Mpa

### **Chemical Properties**

ı		
1	Test Item	Test Value
	Acid Resistance	No change
	Alkaline Resistance	No change
	Oil Resistance	No change
ı	Solvent Resistance	No change
į	Resistance to Salt Spray	Grade 1
	Fire Retardant Grades	B1 & A2

USA: ASTM D903-98:2010, ASTM E84-15b, ASTM E119-16a, NFPA 285, ASTM D1929

5.33L/µm

99.4°C

Europe : EN 13501-1

Abrasion Resistance

Heat Deflection Temperature

### **CERTIFICATE**













United Arab Emirates

Ministry of Interior

General Directorate of Civil Defense

Department of Civil Defense - Umm Al Quwair

2017-5-175165

06/07/2023

ولة الامارات العربية المتحدة وزارة الناخلية القيادة العامة للنفاع المنني إدارة الدفاع المدني - أم القيوين

رقم الترخيص : 175 165 -5-2017 سنة الترخيص : 2023

ترخيص مصنع لمعدات و أجهزة و مواد الوقاية و مكافحة الحريق

عدد التراخيص : 1

نوع النشاط

الاسم التجاري للمنشأة

تم إصدار الترخيص استنادا إلى القرار الوزاري رقم (24) لسنة 2012 ، في شأن تنظيم خدمات الدفاع المدني

تاريخ الإصدار 17/05/2023

عند الفنيين المعتمنين 8

رقم السجل

799ص رقم الرخصية الواح الامارات للصناعات ش د م م

خميس ابراهيم خميس بولصلى آل على الجنسية الإمارات العربية المتحدة

اسم صاحب الترخيص Manufacturer of fire retardant Aluminum Cladding منطقة النشاط

أم القيوين 3998

رقم الفاكس 0503976888

رقم الهاتف

عنوان الشركة حكومة ام القيوين - الاتحاد ، الصناعية الحديثة، أم القيوين أم القيوين الموقع و البريد الإلكتروني

تاريخ تأسيس المنشأة 11/04/2017

عدد المعدات و الأجهزة المراد ترخيصها 8

عدد المهنسين المعتمدين 1

- تم تسديد الرسوم بإيصال رقم (107382290370374256 ).



رؤيتنا أن تكون دولة الإمارات العربية المتحدة من أفضل دول العالم في تحقيق الأمن و السلامة

تاريخ الانتهاء

https://cdservices.moi.gov.ae/index/certificate-inquiry المجاهزة الرابط المعلومات يرجى زيارة المعلومات المعلومات



### **EPM PANELS AND THE ENVIRONMENT**

EPM operates in strict compliance with all Environmental Legislation applicable to our industry and holds all relevant certifications for our products. EPM composite panels can be fully recycled.

## **QUALITY GUARANTEED**

EPM are confident that our high manufacturing standards and focus on quality management result in our composite panels being second to none. EPM composite panels are guaranteed according to the selected -finish - please contact one of EPM's representatives for further details





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- © emiratespanelm

