

CERTIFICATE OF PRODUCT CONFORMITY

Dubai Central Laboratory Department (DCLD) of Dubai Municipality,

hereby attests that the product(s)

ALUPEX –FR-ALUMINIUM COMPOSITE PANEL 4 mm

ALUPEX -A2-ALUMINIUM COMPOSITE PANEL 4 mm

(Details as per the attached Scope of Certification)

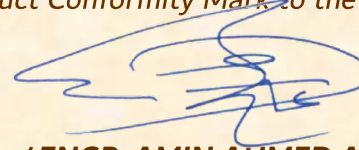
manufactured by:

INTERPLAST CO. LTD

SHARJAH –UAE

have been assessed in accordance with DCLD Document Ref. No. RD-DP21-2001 (IC) “General Rules for DM third party product certification system through factory assessment” and TAR 125, and were found in conformity with the specification

Accordingly, DCLD hereby authorizes the above manufacturer to affix the DCL Product Conformity Mark to the above-mentioned product(s).



for / ENGR. AMIN AHMED AMIN

Director, Dubai Central Laboratory Department

Dubai Municipality

Verify:



Certificate No: TAC 125

Valid Until: 21 OCTOBER 2018



Current Issue Date: 22 OCTOBER 2017

Original Issue Date: 22 OCTOBER 2012

*The attached Scope of Certification bearing the same Certificate No. forms an integral part of this Certificate.
This Certificate is an electronic document, subject to the Terms and Conditions of the Product Certification System and shall not be reproduced except in full.*

1 **The Company** : INTERPLAST CO. LTD. , P.O Box: 4679 – Sharjah – UAE , Tel: +97165395577
Fax: +97165395775

2 **Product trade name:** ALUPEX Aluminum Composite Panel (ACP)

3 **Manufacturer** : INTERPLAST CO. LTD.

4 **Product Description**

ALUPEX is aluminum composite panel consisting of non combustible fire rated mineral core sandwiched between two skins of aluminum sheets of thickness 0.5 mm each in continuous co-extrusion process.

5 **Product types**

This Technical Approval Certificate covers only one type of ACP, namely the fire rated aluminum composite panels “ALUPEX – FR & ALUPEX -A2”.

6 **Scope of approval**

Scope of approval shall cover the following items only:

- ALUPEX – FR (4 mm thickness)
- ALUPEX - A2 (4 mm thickness)

Exclusions:

- 1) This approval does not cover other types of panels
- 2) This approval does not cover panels of thickness other than 4 & 6 mm
- 3) This approval does not cover the “cladding” systems made from these panels.

7 **Product Intended use**

The product is intended for use in façade cladding and building interiors

8 **Product characteristics**

Product characteristic are as shown in Table 1.

Table 1 Product characteristics

S.N.	Test name	Test method	Requirements
1.	Thickness of panels	Caliper	4±0.2 mm
2.	Weight of panels	Balance	≥ 7.0 kg/m ²
3.	Coating thickness	ASTM D 1400	≥ 25 μm
4.	Abrasion resistance	ASTM D 968 (Method A)	≥40 liters/mil
5.	Pencil hardness • scratch • gouge	ASTM D 3363	2H
6.	Film adhesion	AAMA 2605 (Clause 7.4)	No loss of adhesion
7.	Impact resistance	AAMA 2605 (Clause 7.5)	No removal of film from substrate
8.	Shear strength	ASTM C 273	≥ 3.2 MPa
9.	Peel off test	Peel off test	> 10 kg /25 mm
10.	Corrosion resistance: 1. Humidity resistance for 4000 hrs at 38°C and 100%RH in accordance with ASTM D 2247 or ASTM D 4585. 2. Salt spray resistance ASTM B 117	AAMA 2605	1. Humidity resistance: No formation of blisters to extent greater than "Few" blisters size #* as shown in Fig. 4 of ASTM D 714. 2. Salt spray resistance: Minimum rating of 10 on scribe or cut edges, and a minimum blister rating of 10 within the test specimen field in accordance with Table 1 & 2 of AAMA 2605 an
11.	Weathering resistance	ASTM C 481 (Cycle A)	<ul style="list-style-type: none"> • shear strength Not lower than 2 when test as per ASTM C 273 • film adhesion no effects when test as per AAMA 2605 (Clause 7.4) • Impact resistance no effects when test as per AAMA 2605 (Clause 7.5)
12.	Temperature for thermal deformation	ASTM D 648	≥ 110 °C
13.	Thermal conductance	ASTM C 518	5.88 W/m ² .K
14.	Reaction to fire classification	ASTM E84 NFPA 285	Dubai Civil Defense approval (See Annex A)

9 Tests conducted

The following tests were conducted on the product and showed satisfactory results.

- Thickness of panels
- Weight of panels
- Coating thickness
- Abrasion resistance
- Pencil hardness; scratch & gouge
- Peel resistance torque
- Impact resistance
- Shear strength
- Corrosion resistance & , weathering resistance
- Temperature for thermal deformation
- Thermal conductivity
- film adhesion
- Reaction To Fire Classification (as per DCD approval)

10 Identification/Labeling/Marking

Each product item as well as the packing containers shall be identified / labeled / marked to show the required basic information (manufacturer name , the product name ,the DCL Technical Approval mark) in Arabic and/or English language.

- For ALUPEX – FR



- For ALUPEX – A2



11 Production quality control

The products shall be manufactured under an approved quality control program as shown in the internal quality inspection and testing plan shown in Annex A. The quality control program shall verify continued compliance with requirements shown in Table 1.

12 Conditions of Approval

12.1 This approval is granted only to "INTERPLAST CO. LTD", No other company, firm or person may hold or claim any entitlement to this Technical Approval.

12.2 This Technical Approval will remain valid for the period shown on the Approval Certificate provided that.

- The company complies with the requirements of this Technical Approval,
- The characteristics of the products are unchanged,
- Continue to be checked by DM as per surveillance scheme mentioned hereinafter in this report.

12.3 In granting this Technical Approval, Dubai Municipality makes no representation to:

- The presence or absence of patent or similar rights subsisting in ALUPEX-FR & ALUPEX – A2
- The legal right of "INTERPLAST CO. LTD" to market ALUPEX-FR & ALUPEX– A2, in the Emirate of Dubai.

12.4 The Technical Approval shall not be used in such manner as to bring Dubai Municipality into disrepute and "INTERPLAST CO. LTD" shall not make any statement which Dubai Municipality may consider as misleading.

12.5 Surveillance

- Inspection and testing
Dubai Municipality maintains the right to inspect the factory and products at any time without prior notice and to collect samples from the products available at the client's factory, warehouses or at any building site within Dubai Emirate, for the purpose of verification and/or testing.
- Complaints
"INTERPLAST CO. LTD" shall provide Dubai Central Laboratory (DCL) in writing with details of all records of complaints received whenever requested by DCL and shall keep records of such complaints for examination by Dubai Central Laboratory personnel.
- Cost of sampling and testing
"INTERPLAST CO. LTD" shall bear the cost of sampling and testing of the products either at Dubai Central Laboratory (DCL) or at any other DCL approved laboratory.

The testing laboratory may be any local, regional or international laboratory.

12.6 Failing to satisfy the conditions of this Technical Approval Certificate may be grounds for terminating the Technical Approval.

13 Disclaimer

- a) The Dubai Municipality - Dubai Central Laboratory Department shall not be held liable for installation the product in the site.
- b) The Dubai Municipality - Dubai Central Laboratory Department shall not be held liable for any action (legal or otherwise) raised by any party on matters resulting from implementation of the Technical Approval

Note 1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

Annex- A

Dubai Civil Defense approval

إدارة السلامة الوقائية - إدارة إمتحان الشركات



دولة الإمارات العربية المتحدة
وزارة الداخلية
الإدارة العامة للدفاع المدني - دبي
United Arab Emirates
Ministry of Interior
DCD General Directorate

Tel.: 009714 2611111
Fax : 009714 2612449
P.O. Box 11377 Dubai
United Arab Emirates

للمطوارئ
Emergency

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www.dcd.gov.ae

ترخيص موزع لمصنع - بإمارة دبي

رقم الترخيص: SM 22
سنة الترخيص: 2017
عدد التراخيص: 1 - 1

تم اصدار الترخيص استناداً إلى القرار الوزاري رقم(24) لسنة 2014 ، في شأن تنظيم خدمات الدفاع المدني

اسم الشركة	انترپلاست المحدودة - فرع دبي	رقم الرخصة	740431	رقم السجل	63124
اسم صاحب الترخيص	انترپلاست المحدودة - فرع دبي	الجنسية	الإمارات	الإدارة العامة للدفاع المدني - دبي	
أطراف الرخصة	كولكرني برافين بالكريشنا	الجنسية	الهند	الإدارة العامة للدفاع المدني - دبي	
رقم الهاتف	06-5339090	رقم الفاكس	06-5336905	ص.ب:	4679 الشارقة
عنوان الشركة	مكتب رقم 2 ملك مؤسسة دبي العقارية - جبل علي الصناعية 1				
الموقع/البريد الإلكتروني	hani.mohamed@interplast-uae.com				
تأسست بتاريخ	1995/02/20	تاريخ الإصدار	2016/03/27	تاريخ الانتهاء	2018/03/21
عدد المعدات والأجهزة المعتمدة	2				



يعتمد/ عن مدير الإدارة العامة للدفاع المدني/دبي

أن تكون دولة الإمارات العربية المتحدة من أفضل دول العالم أمنياً وسلاماً

إدارة السلامة الوقائية - إدارة إمتحان الشركات



دولة الإمارات العربية المتحدة
وزارة الداخلية
الإدارة العامة للدفاع المدني - دبي
United Arab Emirates
Ministry of Interior
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Fax : 009714 2612449
P.O. Box 11377 Dubai
United Arab Emirates

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انتربلاست المحدودة - فرع دبي
انتربلاست المحدودة
2018/03/21

اسم الشركة (الموزع)
اسم الشركة (المصنع)
تاريخ انتهاء ترخيص الشركة (المصنع)

رقم الترخيص: SM 22
سنة الترخيص: 2017
عدد التراخيص: 1 - 1

م	اسم المعدة	رقم شهادة السلامة	اسم المختبر الصادر للشهادة	الاسم التجاري	بلد الصنع	منطقة نشاط الموزع
1	<p>مجمع تكسيات الومنيوم مقاومة للحريق Aluminium Composite Panel Assembly</p> <p>Exterior Cladding System: ALUPEX FR (Closed Joint System), Panel Thickness: 4.0mm, Size of Panel: 1166 mm to 2062 mm Width × 571 mm to 1013 mm Height, Classification: Core Class A (As per ASTM E84), Pass (As per ASTM D1929), Class B-s1,d0 (As per EN 13501-1), Pass (As per NFPA 285), Usage: Exterior Cladding System Allowed for Low-rise and Mid-rise Buildings EXCEPT FOR Malls, Theme Park, Schools, Hospitals, Assembly, Assembly Installation: As per CoC Certificate No. (TBW0300119.1 & TBW0300150) and Drawing No. (03032016 SD-01 to SD-06 Rev.).</p>	TBW0300150 TBW0300119.1	TBW - UAE	ALUPEX FR	الشارقة - الإمارات العربية المتحدة	دبي
2	<p>مجمع تكسيات الومنيوم مقاومة للحريق Aluminium Composite Panel Assembly</p> <p>Exterior Cladding System: ALUPEX A2 (Closed Joint System), Max. Panel Thickness: 4mm, Max. Size of Panel: 1028 mm to 1169 mm Width × 591 mm to 1014 mm Height, Classification: Core Class A (As per ASTM E84), Pass (As per ASTM D1929), Class A2-s1,d0 (As per EN 13501-1), Pass (As per NFPA 285), Usage: Exterior Cladding System Allowed for Any Building, Assembly Installation: As per CoC Certificate No. (TBW0300151 & TBW0300152) and Drawing No. (10112016-SD01 to 10112016-SD06 Rev.00).</p>	TBW0300151 TBW0300152	TBW - UAE	ALUPEX A2	الشارقة - الإمارات العربية المتحدة	دبي

1. بلاغ الإدارة العامة للدفاع المدني - دبي في حالة تغيير أو تعديل في البيانات المتعلقة في الترخيص الصادر من قبل الإدارة.
2. يجب على الشركة المعتمدة لدى إدارة الدفاع المدني - دبي إبراز الترخيص مساري المفصول الخاص بالمعدات المعتمدة والصادر من قبل الإدارة للعمل، وفي نظر الطرقة تحمل المسؤولية عند انتهاء الترخيص أو إغلاق الشركة.

ملاحظة :

يعتمد/ عن مدير الإدارة العامة للدفاع المدني/دبي

أن تكون دولة الإمارات العربية المتحدة من أفضل دول العالم أمنا وسلامة