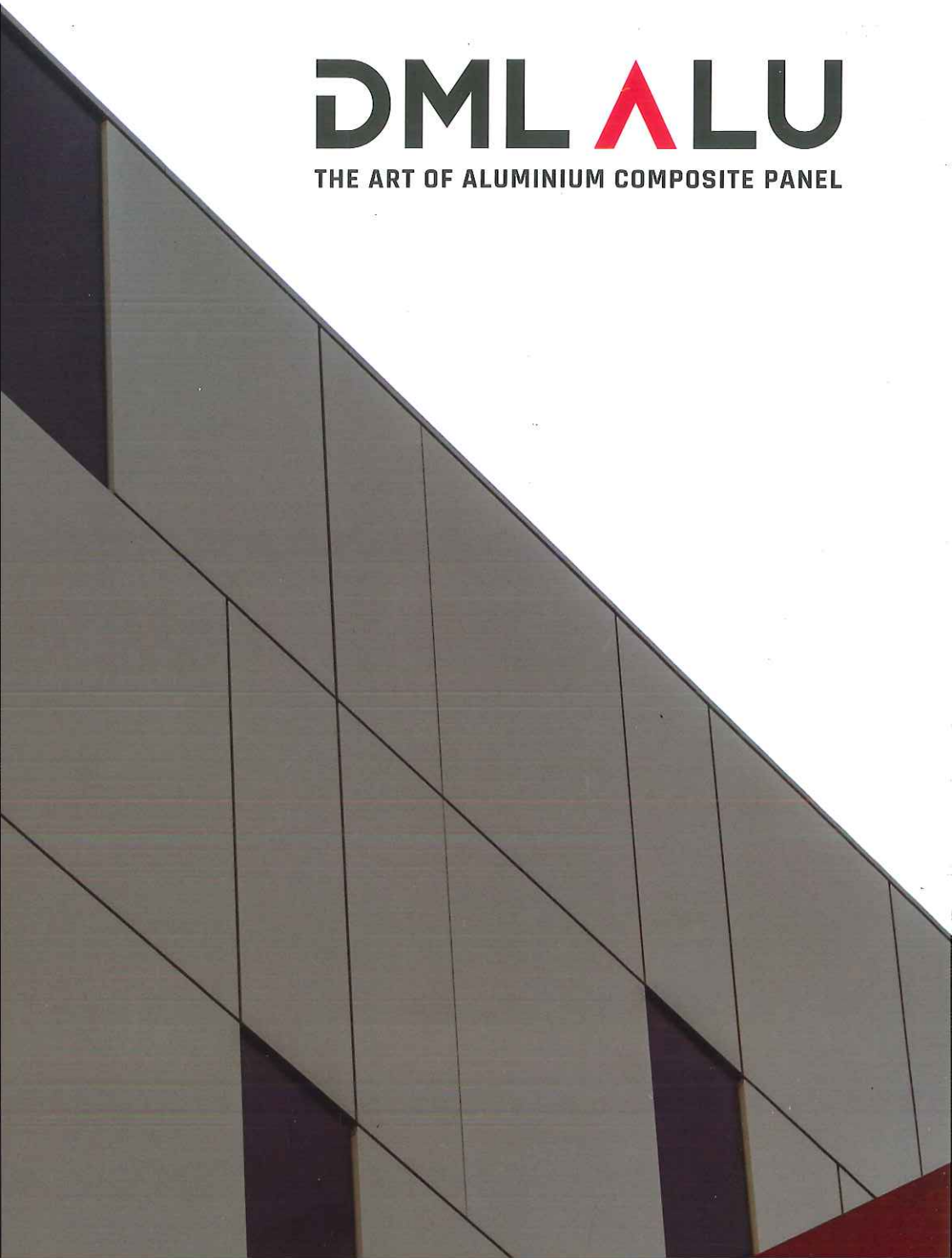
DML ALU

THE ART OF ALUMINIUM COMPOSITE PANEL







Mission & Vision

DML ALU is ensuring maximum customer satisfaction and quality assurance. Deliver excellence while offering professional support and service on a local and regional level. Provide our customers with latest innovative products that deliver quality and value. Our quality policy includes five simple and straightforward axioms:

- Customer Satisfaction
- Quality Assurance
- Good Servicing
- Encourage Creativity
- Moderate Prices



DML ALU

THE ART OF ALUMINIUM COMPOSITE PANEL

DML ALU are manufactured under the most precise and rigorous conditions in Kerling, Malaysia. Our distribution and support capabilities extend throughout the whole Malaysia. And we are ensure an Malaysia made product from start to finish.

Our premium products have inspired new aesthetics and enabled new design possibilities for decades. Our commitment to quality, sustainability and customer care is unmatched. While DML Alu aluminium as a material contributes to sustainable architecture, the composite panels are as strong as steel and are lightweight thus reducing use of steel in the building design. These can be a great option in today's modern architecture. Let us help to bring your vision to life with our unmatched selection of colors and finishes. Our commitment to your satisfaction to meet you creative building and designs requirements.

DML ALU Composite Panel

Our Products have squarely met the set international standard requirements. Futuremore our product range is coated with KYNAR500® PVDF coating or option FEVE resin for better high gloss quality. system which comes complete with back to back performance warranty of up to 20 years.

Characteristic of DML ALU Aluminium Composite Panel

Flatness

As the composite material is rigid the flat surface can be preserved. This is considered a major advantage of ACP.

Light weight

Can reduce the weight of the building, it reducing the load of the foundation and framework of the building and thus effectively it cose budgetary.

Fire resistance

ACP are laminated at temperatures from 200° to 250° to bond the aluminium sheets to the P.E. Core. The non-flammable aluminium cover sheets protect the plastic core.

Durability

DML ALU Composite Panel is highly resistant to chemical corrosion due to the advance fluroplastic coating of ploy vinylidine fluoride (PVDF) The composite material is rigid, resistance to blows, breakage and pressure and has a high bending and breaking strength.

Easy Maintenance

Technically there is no maintenance required. Cleanliness can be maintained using clean water and soft sponge.

Panel Layers

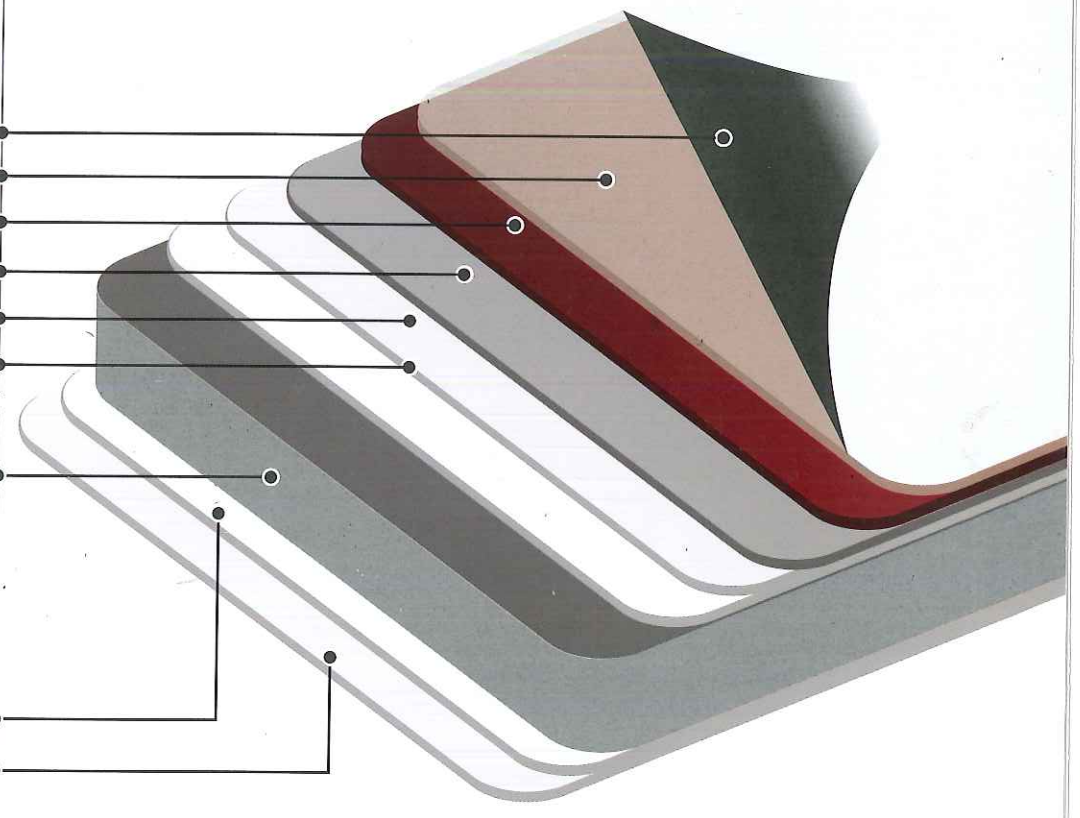
TOP :
A high grade aluminium alloy grade 3003 H24 applied with PVDF KYNAR500® paint

- Protecting Film
- Clear Coat
- PVDF Painting
- Primer / Pre-treatment
- Aluminium Skin
- Adhensive Film

Middle :
Polyethelene, High Mineral Filled Core, A2 Incombustible Core

Bottom :
A high grade aluminium alloy grade 3003 H24 with polyester coated

- Adhensive Film
- Aluminium Skin



Application

With hundreds of materials and applications available to the architectural industry, it is important to know all the facts before dressing your building. DML ALU panel it is widely by architecture and designer. At DML ALU we pride ourselves in being masters of our trade and that includes knowing all the details about the products that we use.

Features

- ✓ Easy and Fast Installation
- ✓ Fire resistant (Except DML ALU PE Panel)
- ✓ Contemporary look and excellent flatness
- ✓ Light weight
- ✓ Great formability and stability
- ✓ Excellent weather resistance
- ✓ Various uniform colour options
- ✓ Low maintenance
- ✓ Manufacturer's warranty
- ✓ Eco-friendly materials

Building Exterior

(Facade Building, Wall Cladding, Billboard, Signage, Advertisement Board, Awning)











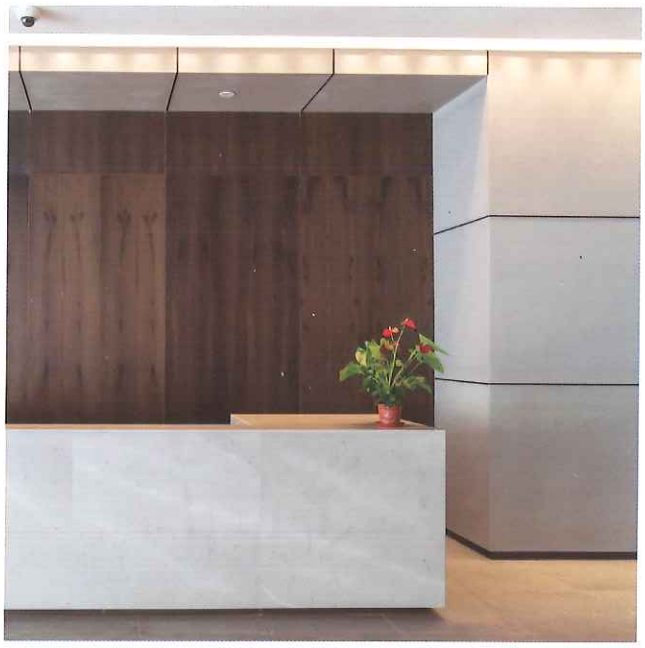
Building Interior

(Wall Cladding, Exhibition Hall, Ceiling Subway Station, Home Appliances)







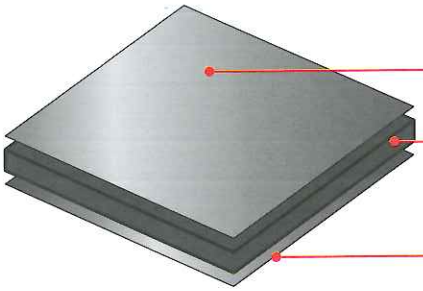


*All images shown are for visual references purpose only.

DML ALU Product Specifications

DML ALU - PE		
Panel Thickness	4mm	Customize: 4-6mm
Width	1250mm / 1550mm	Customize: 1000mm - 1600mm
Length	2440mm / 3200mm / 4880mm	Customize: 2000mm - 6000mm
Finished	PVDF (3-Coat System) / Polyester	
Effect	Extremely weather resistant, impact resistant and break-proof, rigid and easy maintain	

Material



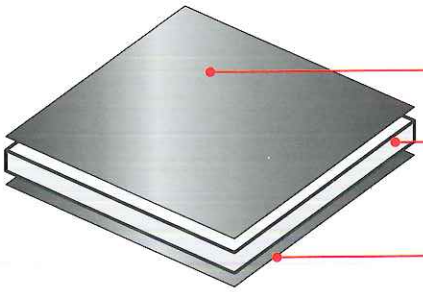
0.4mm / 0.5mm Aluminium
Grade 3003 H24

Polyethelene Core
PE core composite panels offer benefits like rigidity, light weight, ease of fabrication and adaptability. durability and weatherproof

0.4mm / 0.5mm Aluminium
Grade 3003 H24

DML ALU - fr		
Panel Thickness	4mm	Customize: 4-6mm
Width	1250mm / 1550mm	Customize: 1000mm - 1600mm
Length	2440mm / 3200mm / 4880mm	Customize: 2440mm - 6000mm
Coating	PVDF/ PVDF (3-Coat System) / Polyester	
Effect	Fire retardant, extremely weather resistant, impact resistant and break-proof, rigid and easy maintain	

Material



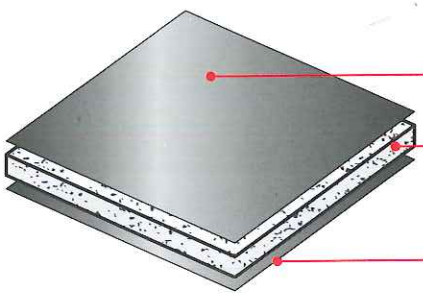
0.4mm / 0.5mm Aluminium
Grade 3003 H24

Fire Retardant Filled Core
The core is made of hardly inflammable, durability and weatherproof

0.4mm / 0.5mm Aluminium
Grade 3003 H24

DML ALU - A2		
Panel Thickness	4mm	Customize: 4-6mm
Width	1250mm / 1550mm	Customize: 1000mm - 1600mm
Length	2440mm / 3200mm / 4880mm	Customize: 2440mm - 6000mm
Coating	PVDF/ PVDF (3-Coat System) / Polyester	
Effect	Incombustible, extremely weather resistant, impact resistant and break-proof, rigid and easy maintain	

Material



0.4mm / 0.5mm Aluminium
Grade 3003 H24

A2 Incombustible Core
The core is made of inflammablee inorganic materials, which are mixed and melted together

0.4mm / 0.5mm Aluminium
Grade 3003 H24

Coating Services

DML ALU Composite is coated with polyvinlidene fluoride (PVDF) which is a high performance fluoropolymer architectural coil coating system from Becker Industrial Coatings. With a history of more than 140 years, Becker Industrial Coating originating from Sweden. is currenly Europe's leading coil coating paint manufacturer for industrial and architectural markets.

Becker's PVDF coating comprises a minimum 70% KYNAR500® resin. KYNAR500 based finishes meet or exceed the physical test performance criteria of the American Architectural Manufacturers Association (AAMA Specification 2605) for high performance coatings on aluminium panels.Made of fluorine carbon resin, pigment, ester solvent, after high temperature roasting and baking, the paint is solidified to dry film with super resistance. Along with the ability to self extinguish, PVDF coating material generates little smoke in the event of a fire. PVDF coating with KYNAR500® PVDF, two or three times for coating and baking has good properties of anti-acid, anti-alkali and is durable in atrocious weather and environment.

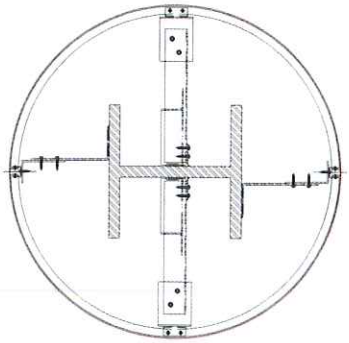
- Long term exterior durability
- Excellent chemical and corrosion resistance
- Excellent fungus and dirt resistance

Quality warranty: 20-year guarantee for DML ALU PVDF aluminum composite panels.

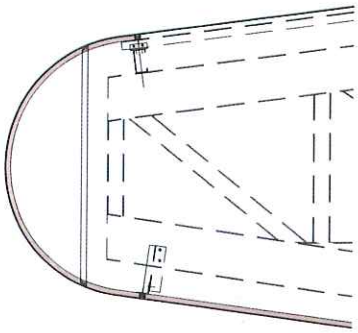


Installation Method

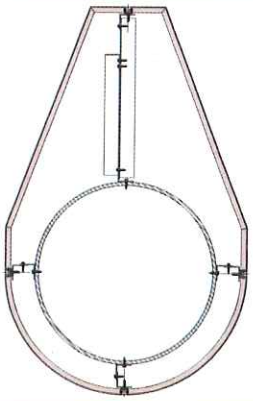
Round Column Installation



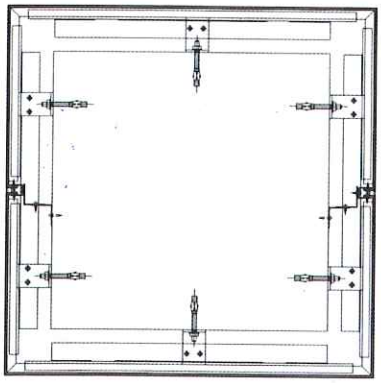
Round Shape Soffit Cladding



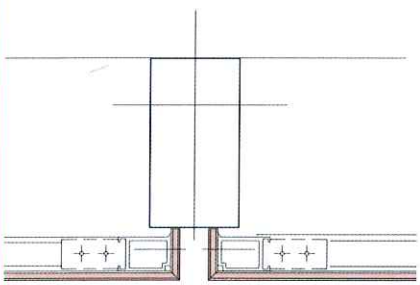
Oval Column Installation Design



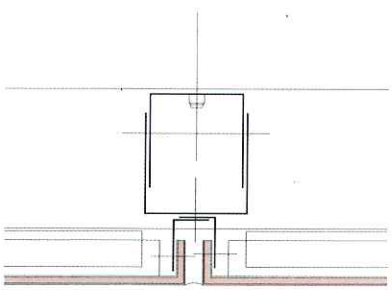
Square Column Installation



System Open Joint With Suspended Bracket

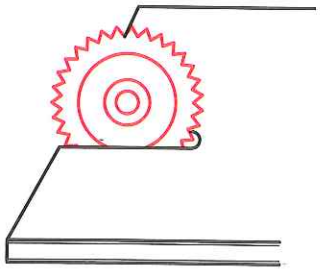


Tray Panel System - Suspended On Pins



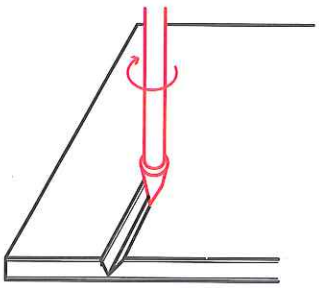
Processing

CUTTING



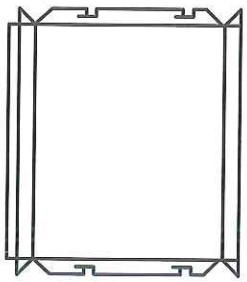
Cutting with disc saw,electronic saw, band saw

GROOVING



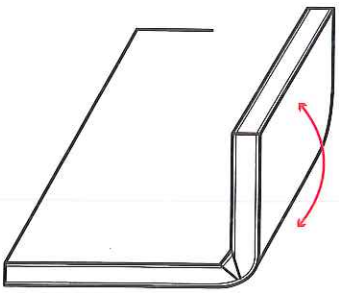
Grooving with electronic milling machine, panel can be bended into all kinds of polyhedron

MAKING BOX



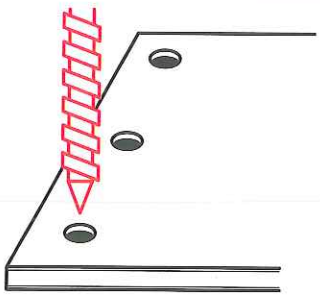
Make a box shape

FOLDING



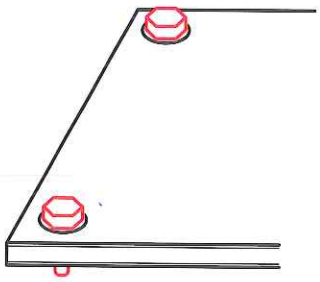
Fold it into box

DRILLING



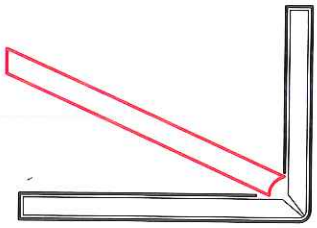
Use drill to do the punching and bolting

JOINTING, FIXING



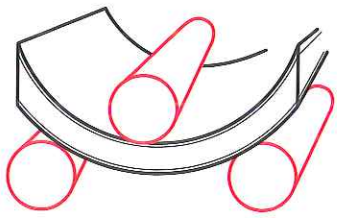
By rivet bolt, self-fasten screw, etc

WELDING



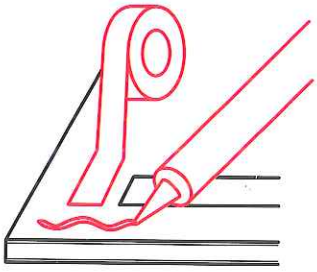
Using electricity warm tool and welding tool

ROLLING



Curve surface by 3-point type, 3-roller panel bender

GLUEING



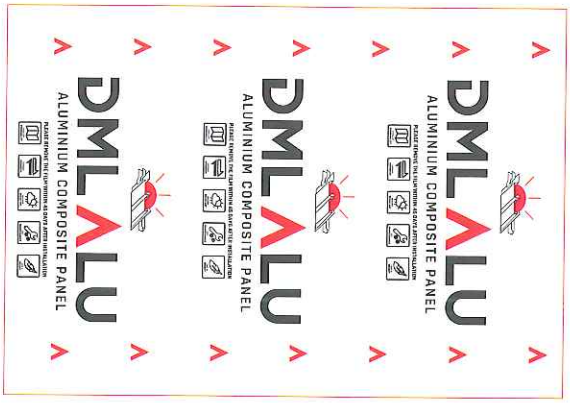
With the help of adhensive force produced on the surface of the ACP, ACP is firmly connected to the wall. Use two side tapes or metal glues



Important Information

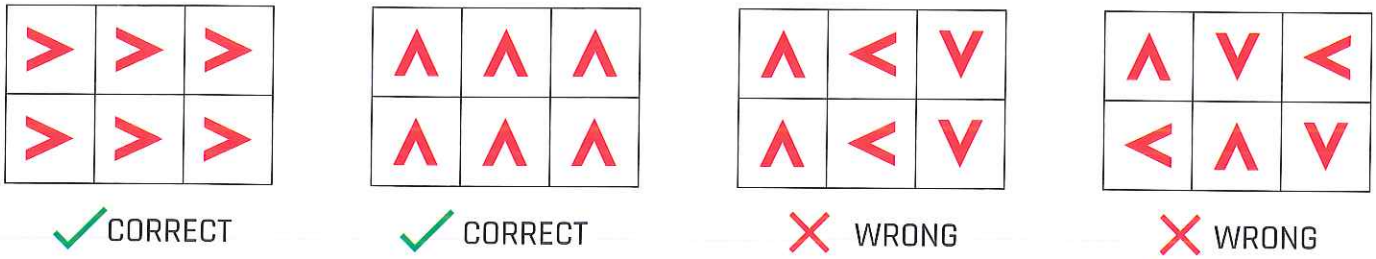
Installation

- To avoid possible reflection differences (for metallic colors only) it is recommended that panels be installed in the same direction as the marking shown on the protective film of the individual panels running parralel to each other. See illustration below



- The panels must not be exposed continuously to the temperature of 70 degrees.

- If the aluminium materials come in contact with a dissimilar material, such surfaces shall be insulated with a layer of PVC or polyethylene tape.



Removal of protective film

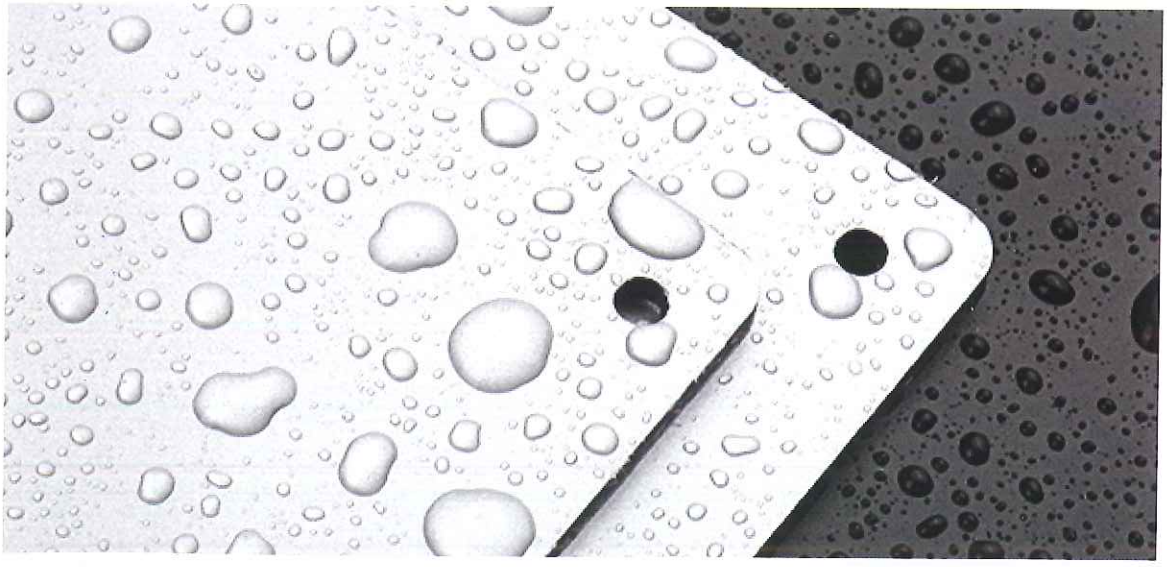
DML ALU Composite Panel is protect by opaque protective film. The film is advisable to be removed as soon as installation is done. Do not leave the film on the panel more than 45 days after installation. This is to prevent the residual glue from sticking to the surface of the panels which invariably happen under hot weather conditions.

Storage

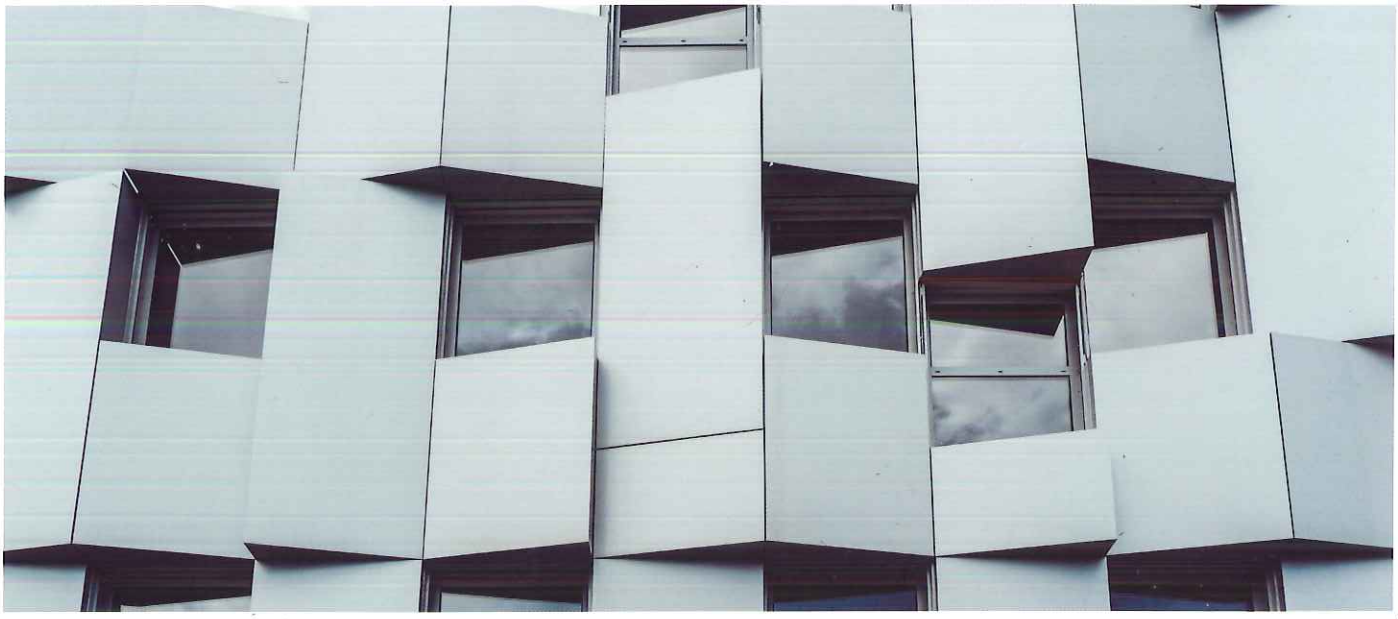
Adequate measures should be taken to protect pallets during storage against rain, moisture and condesation. Stacks must not contain more than six pallets of identical sizes. Avoid storage for a period of more than six months.

Cleaning and Maintenance

The panel surface shall be cleaned with water only. Diluted mild detergent is allowed if required. For external wall, it is recommended to be cleaned once a year using high pressure water jet. For internal wall, the panel can be wipe using damp soft cloth or sponge. However the cleaning frequency will depend on the location and environment conditions.







DML ALU

THE ART OF ALUMINIUM COMPOSITE PANEL

KUALA LUMPUR (West Malaysia)

DML ALU SDN. BHD. (1072974-H)

DML ENGINEERING SDN. BHD (1262771-A)

DML PRODUCTS SDN. BHD. (505213-P)

DML CEILING & LOUVERS MARKETING SDN. BHD. (618289-T)

DML COATING SERVICES SDN. BHD.

Lot 27, Jalan RP2, Rawang Industrial & Housing Estate, 48000 Rawang, Selangor, Malaysia.
Tel: +603 - 60918377
Fax: +603 - 60918375
H/P: +6016 - 2275377
Email: sales@dml.com.my

KERLING (North Malaysia)

DML ALU SDN. BHD. (1072974-H)

DML ENGINEERING SDN. BHD (1262771-A)

Lot 1907, Jalan Serindit 4, Pusat Perindustrian Kalumpang, 44100 Kerling, Selangor
Tel:+60126109232 Email: sales.dmleng@dml.com.my / kyochong@dml.com.my

JOHOR (South Malaysia)

DML PRODUCTS (JOHOR) SDN. BHD. (773202-X)

No.276 Jalan Idaman 1/7, Taman Perindustrian Senai, 81400 Senai, Johor
Tel:07-598 2888 Fax:07-598 6363 Email: salesjb@dml.com.my

PENANG (North Malaysia)

DML PRODUCTS (PENANG) SDN. BHD. (972659-D)

No 5, Lorong Perindustrian Bukit Minyak 6, Kawasan Perindustrian Bukit Minyak 14000 Bukit Mertajam, Pulau Pinang
Tel: +604-240 9207 Fax: +604- 240 9208 Email: salespenang@dml.com.my

SARAWAK (East Malaysia)

DML PRODUCTS (BORNEO) SDN BHD (742099-D)

Lot 1138, Block15,MTLD, Jalan Kuching Ranger Depot Sungai Tapang, 93250 Kuching Sarawak
Tel: +6082- 613099 Fax: +6082- 613105 Email: service@dml.com.my

SABAH (East Malaysia)

DML PRODUCTS(EAST MALAYSIA) SDN BHD (713573-D)

Lot14, Building No.5, Lorong P11, Taman Perindustrian Intan (Intan Industrial park), Mile 7, Jalan Tuaran, Kota Kinabalu, Sabah
Tel: +6088-38391 Fax: +6088- 383814 Email: enquiry@dml.com.my

SINGAPORE

DML CEILING & LOUVERS MARKETING (S) PTE.LTD (200707291-W)

503B, Canberra Link #03-33, Singapore 752503
Tel: +65-8484 4990 / +65-9090 6227
Email: info.singapore@dml.com.my

www.dml.com.my

CERTIFICATE:

QUALITY ENSURED:

10 YEARS WARRANTY

DURABLE
FIRE RATED
ECONOMICAL

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