



ALUMINIUM COMPOSITE PANEL

ISO 9001:2008 | ISO 14001:2000



ABOUT US

Dekkson aluminum composite panels are produced by advanced technology with European standards consisting of two architectural aluminum coils and filled with non-toxic low-density polyethylene (LDPE) or Mineral Core. The surface of the top side aluminum coil has been coated with polyvinylidene fluoride (PVDF) or fluoroethylene vinyl ether (FEVE) and the back side coil has been treated with non-corrosive primer coating. By using Dupont adhesive film and processed with continuously high temperature and high pressure, it makes Dekkson aluminum composite panel has superior adhesion.

Dekkson Aluminum Composite Panel offers durability and various aesthetic color options. With special characteristics such as: fire resistance, self-cleaning coating, anti-bacterial coating, etc. Dekkson Aluminum Composite Panel would be a great choice for any kind of projects, from buildings with high-fire-risk to building that prioritize sanitation. Building with aesthetic architectural design would also benefit from Dekkson Architectural Aluminum Composite Panel various color options

ADDITIONAL FUNCTION



Dekkson Anti Bacterial ACP is coated with antibiotic paint which provide antibacterial protection. Using cutting-edge non-toxic low density polyethylene as the core, Dekkson Anti-Bacterial ACP is the first choice for hospitals, kitchens, and schools.



Special composite panel with corrugated core formed by a continuous lamination process. The corrugated core offers several advantages such as lightweightness and enhanced durability.



Coated with nano paint layer on the front side of aluminium foil, Dekkson NANO FR B1 ACP is self-cleaning, dust resistant, weather resistant, as well as both acid and alkali resistant. The self-cleaning protective layer is able to insulate contaminations like dust and decompose organic contamination.



Dekkson Aluminium Solid Panel is the best choice for ultimate strength and durability. Enhanced with fluorine-carbon KYNAR500 resin coating, it provide enhanced cohesiveness with the most stable molecular structure. It is able to withstand adverse weather, fire, lightning, and free from discoloration.



With a strengthened fireproof core, Dekkson Fire-Retardant ACP offers Class B1 or Class A2 grade according to GB 8624 fire test. It is very hard to burn and it release no harmful gasses under fire. Dekkson Fire-Retardant ACP is economical, lightweight and strong with smooth surface, good coating quality and good insulation.



Honeycomb structured aluminium alloy core, coated with weather resistant coating. Yielding a high strength composite panel as a result.

SPECIFICATION

Alloy character Technical Data	Alloy 5005	Alloy 3003
Composition	Alu+Mg (3-5%)	Alu+Mn (1-1.5%)
Hardness Brinell (HB)	45	47
Elongation	7	6-14
Tensile Strength (Mpa)	159	175
Shear Strength (Mpa)	97	105

Paint Character Technical Data	PVDF	FEVE
Composition	Polyvinylidene Fluoride	Fluoroethylene Vinyl Ether
Processing Temperature (°C)	249-254	224-232
Thickness Coating (µm)	2 x Coating	≥25
	3 x Coating	≥35
Glossiness (°)	10-45	10-85
Warranty (Years)	15	15
Application	Outdoor	Outdoor

CORE

FIRE RETARDANT
A2

FIRE RETARDANT
B1

CORRUGATED

HONEY COMB

(LDPE + HDPE)

DIMENSIONS

Standard Size

1220 mm x 2440 m / 1220 mm x 4880 mm , Thickness 4 mm

For custom dimension, please consult with us.

DEKKSON ALUMINIUM COMPOSITE PANEL STRUCTURE



- Protection Tape
 - PE/PVDF Top Coating
 - Primer Coating
 - Pretreatment
 - Aluminium Coil
 - Macromolecular Lamination Film
 - LPDE Core (non-toxic)
 - Macromolecular Lamination Film
 - Aluminium Coil with Primer Coating
- Upper Layer Aluminium
- Core
- Lower Layer Aluminium

PROJECT REFERENCES



Grand Batam Mall - Batam



Museum Polri - Jakarta



Tokyo Riverside - Jakarta



RSU Grand Medika - Medan



Hotel Grand Central - Medan



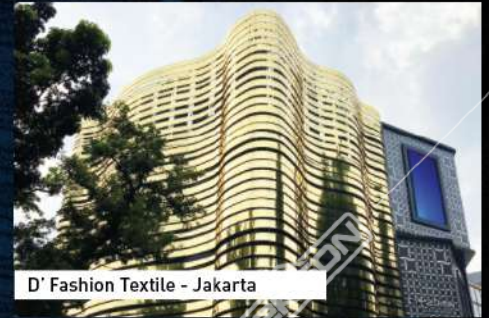
Carstensz Residence - Serpong



Alto Building - Serpong



Big Mall Samarinda - Kalimantan



D' Fashion Textile - Jakarta



Osaka Riverview - Jakarta



Rukan Shibuya Riverview - Jakarta



Rukan Golf Island - Jakarta



Hoka Hoka Bento



Gereja NDC - Jakarta



ANRI - Aceh



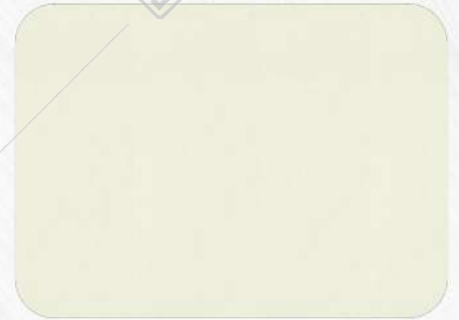
DKS-8813

Pure White



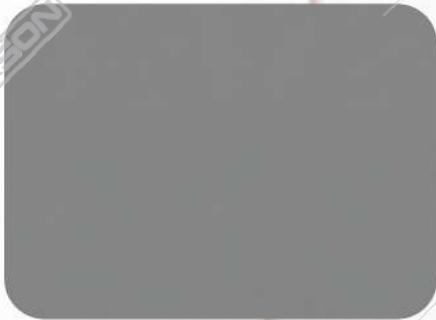
DKS-8814

Milk White



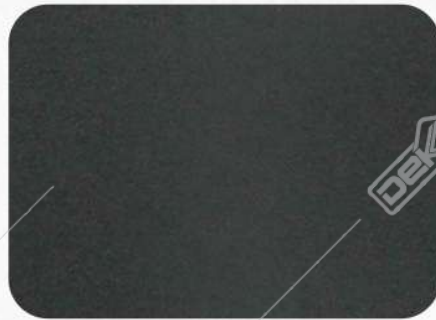
DKS-8815

Ivory White



DKS-8855

Slate Grey



DKS-8856

Dark Grey



DKS-8854

Steel Grey



DKS-8801

Silver Metallic



DKS-8802

Silver Grey



DKS-8803

Pearl Grey



DKS-8804

Champagne Gold



DKS-8808

Pearl Beige



DKS-8806

Graceful Grey



DKS-8858

Asphalt Grey



DKS-8809

Sparkle Gold



DKS-8810

Pure Gold



DKS-8812 Goldenrod Metallic



DKS-8821 Pure Yellow



DKS-8823 Saffron Yellow



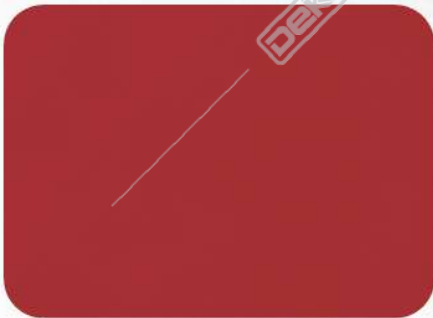
DKS-8825 Pink



DKS-8832 Violet Red



DKS-8824 Orange



DKS-8829 Ruby Red



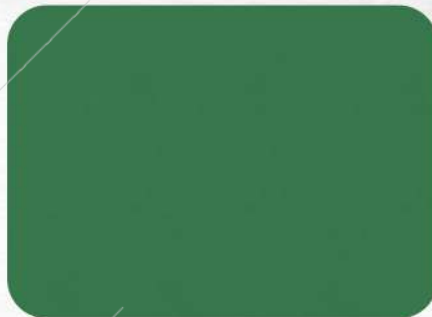
DKS-8838 Pistachio Green



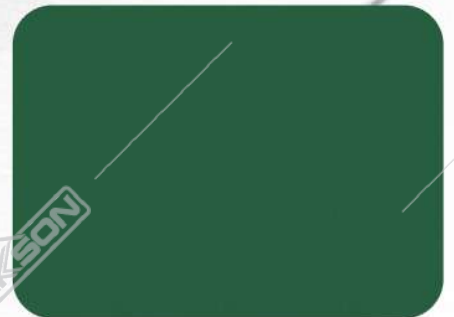
DKS-8839 Lizard Green



DKS-8840 Apple Green



DKS-8841 Jade Green



DKS-8842 Deep Jungle Green



DKS-8849 Light Blue



DKS-8850 Ocean Blue



DKS-8851 Dark Blue



DKS-8864

Light Coffee



DKS-8836

Henna



DKS-8866

Black



DKS-8531

Glossy White



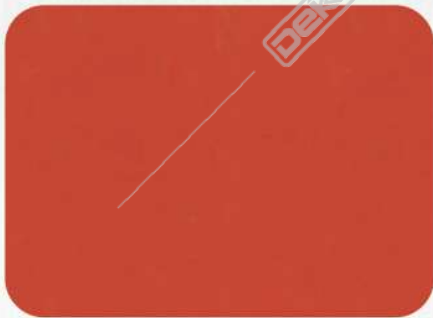
DKS-8533

Glossy Buff



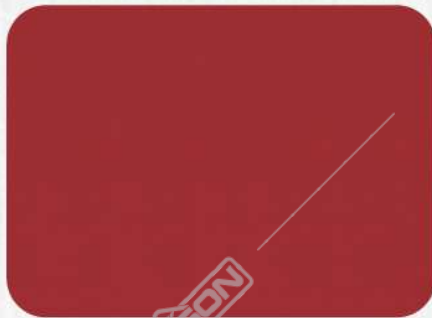
DKS-8534

Glossy Yellow



DKS-8537

Glossy Orange



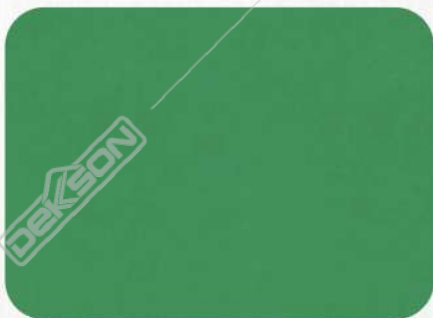
DKS-8538

Glossy Ruby Red



DKS-8542

Glossy Lizard Green



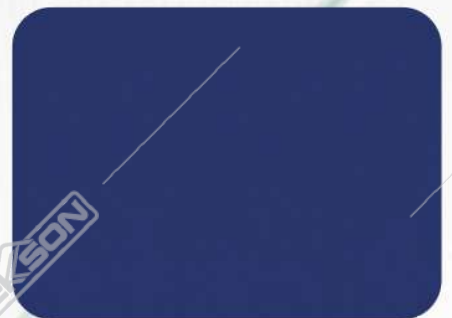
DKS-8543

Glossy Green



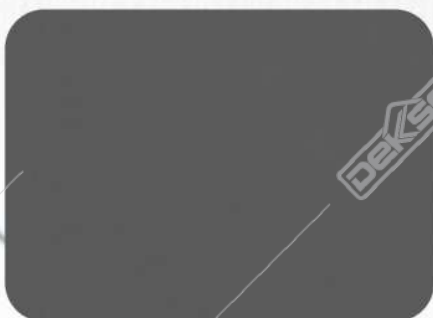
DKS-8544

Glossy Light Blue



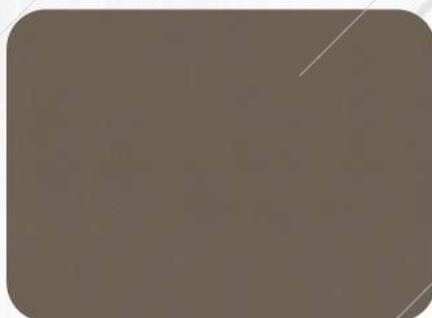
DKS-8545

Glossy Dark Blue



DKS-8547

Glossy Steel Grey



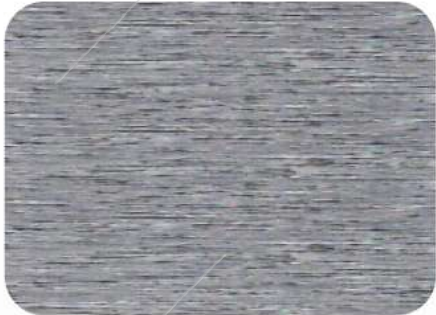
DKS-8548

Glossy Light Coffee



DKS-8550

Glossy Black



DKS-8867

Silver Brush



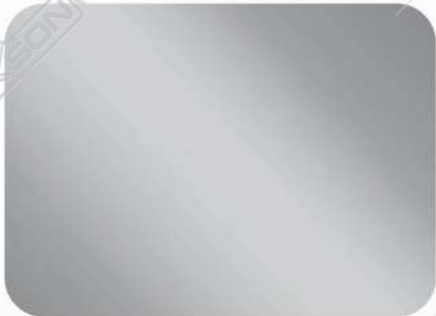
DKS-8870

Copper Brush



DKS-8N550

Nacreous Blue



DKS-8556

Silver Mirror



DKS-8558

Gold Mirror



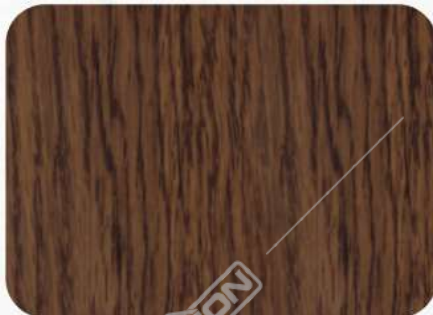
DKS-837448

Ash Wood



DKS-837148

Pickled Oak Wood



DKS-837373

Red Oak Wood



DKS-8CH001

White Chameleon



DKS-8CH002

Grey Chameleon



DKS



DKS



DKS



DKS



DKS