



QUALITY IS THE KEY

ALUMINIUM COMPOSITE PANEL  
COLOR CHART



ISO9001:2008 ISO14001:2000



RoHS REACH



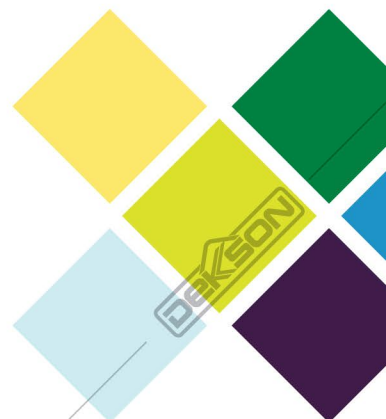
Contact Information : [acp@dekkson.com](mailto:acp@dekkson.com)



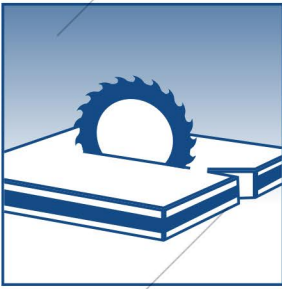
## ABOUT US

Dekkson is a major manufacturer and supplier of architectural hardware that has been collaborating with partners across Indonesia and provides good quality architectural hardware that has reliable quality dan aesthetic design. Starting its business in 1994, Dekkson has successfully widen its product range to cover multiple hardware and accessories for buildings.

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

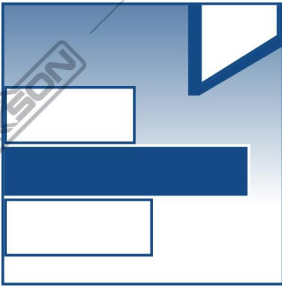


Dekkson ACP can be shaped with ordinary aluminium processing and wood working machines and tools.



**SAW CUTTING**

Circular saws and vertical saws for woodworking can cut DEKSSON ACP easily. We recommend the carbide tip blade made for aluminium and plastic.



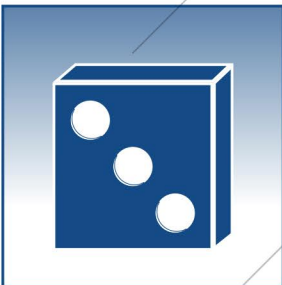
**SHEARING**

A square shear is the most efficient method for sizing a large quantity of panels. Some shear droop may occur at the cut edge.



**WELDING**

DEKSSON ACP can be joined by welding the core with the help of hot jet gum.



**PUNCHING**

DEKSSON ACP can be punched by conventional sheet metal punching machines or manual punches according to the drawing.



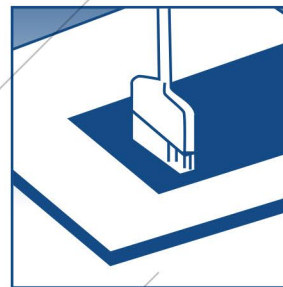
**CURVING & BENDING**

Dekkson ACP can be curved or bent using a regular roll bending machine. Make sure that the feeder does not exert too much pressure and the machine is clean to avoid contaminations.



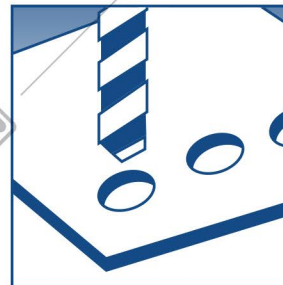
**FOLDING**

After grooving, DEKSSON ACP can be easily folded and shaped by various routing techniques.



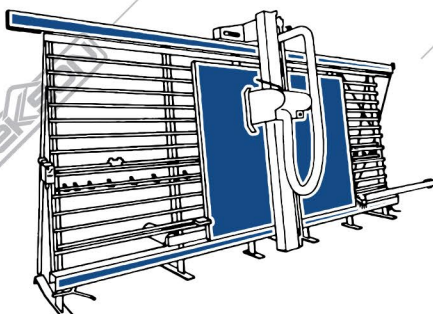
**PRINTING**

Excellent compactibility with any silk-screening process. All surfaces must be free from all dirt.



**DRILLING**

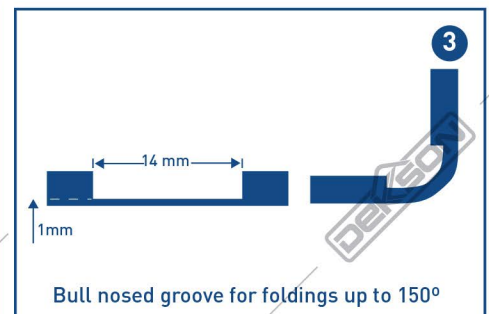
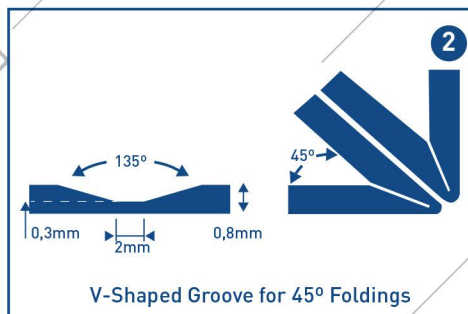
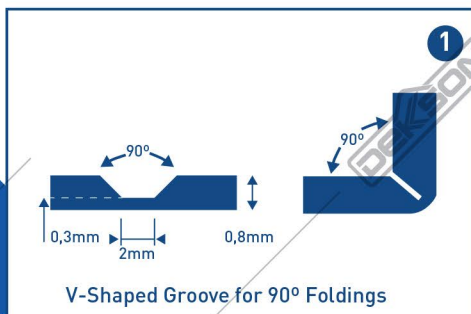
DEKSSON ACP can be drilled with twist drills which are normally used for aluminium and plastic on machines common for metals.



**ROUTING & GROOVING**

It is important to leave 0.2 to 0.4 mm of core material in U-grooving, namely the remaining thickness becomes 0.7 to 0.9 mm. A carbide tip should be used and we recommend 110° of a grooving angle for 90° bends. Panel saw or NC router is suitable for mass grooving production.

There are 3 common routing & grooving options.



## Product Specification

Determine the dimension of ACP that you need.

- A. Width 1220 mm | 1250 mm | 1500 mm | 1570 mm
- B. Thickness 2 mm | 3 mm | 4 mm | 5 mm | 6 mm | 8 mm
- C. Length 800 mm - 6000 mm

For custom dimension, please consult our staff.

## Technical Data

	STANDARD	UNIT	3mm	4mm	6mm
<b>PANEL THICKNESS</b>					
Thickness of Aluminium	DIN 1784	mm	0,5	0,5	0,5
Aluminium Thickness Deviation	DIN 1784	mm	±0,02	±0,02	±0,02
Weight		Kg/m <sup>2</sup>	4.65	5.63	7.42
Tolerance in Length	DIN 16927 / ISO 11833-1	mm	- 1 / +3	- 1 / +3	- 1 / +3
Tolerance in Width	DIN 16927 / ISO 11833-1	mm	- 1 / +2	- 1 / +2	- 1 / +2
Tolerance in Thickness	DIN 16927 / ISO 11833-1	mm	±0,2	±0,2	±0,2
Horizontal Flatness	DIN ISO 1101	mm	6	5	5
Longitudinal Roughness	DIN ISO 1101	mm	7	6	6
<b>TECHNICAL PROPERTIES</b>					
Section Moduls (W)	DIN 53293	cm <sup>3</sup> /m	1,25	1,75	2,75
Rigidity (Poisson's Ratio $\mu = 0,3$ ) (E.J)	DIN 53293	kNm <sup>2</sup> /m	0,14	0,28	0,63
Alloy	EN 573-3	ENAW	1100		
Temper of Cover Sheets	EN 515		H16/H18		
Modulus of Elasticity	EN 1999 1-1	N/mm <sup>2</sup>	70,000		
Tensile Strength of Aluminium	EN 485-2	N/mm <sup>2</sup>	R <sub>m</sub> ≥145		
0,2% Proof Stress	EN 485-2	N/mm <sup>2</sup>	R <sub>p0.2</sub> ≥100		
Elongation	EN 485-2	%	A <sub>50</sub> ≥2		
Linear Thermal Expansion	EN 1999 1-1	mm/m/°C	2,4 at 100°C Temp difference		
<b>CORE</b>					
Polyethylene, Type LD-PE		g/cm <sup>3</sup>	1,0		
<b>COIL COATING</b>					
Lacquering			Fluorocarbon based (PVdF)		
Thickness of Coating		µm	two coating ≥26, three coating ≥32		
Gloss (Initial Value)	ECCA T2	%	30 -80		
Pencil Hardness	ECCA T4		2H		
<b>ACOUSTICAL PROPERTIES</b>					
Sound Absorption Factor ( $\alpha_s$ )	ISO 354		0,05		
Sound Transmission Loss (RW)	ISO 717-1	dB	25	26	28
Loss Factor (d)	EN ISO 6721		0,0072	0,0087	0,0138
<b>THERMAL PROPERTIES</b>					
Thermal Resistance (R)	DIN 52612	m <sup>2</sup> K/W	0,0069	0,0103	0,0172
Heat Transition Coefficient (U)	DIN 4108	W/m <sup>2</sup> K	5,65	5,54	5,34
Temperature Range		°C	-50....+80		



Grand Batam Center



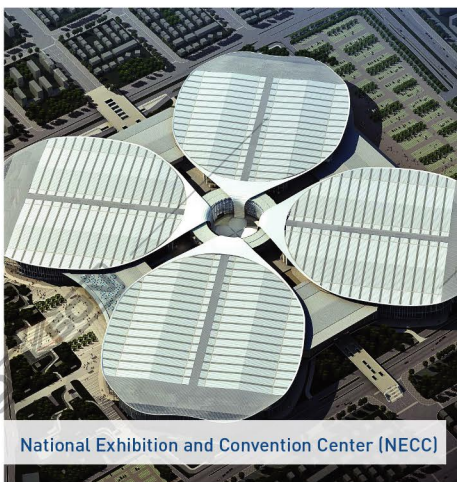
Beijing Tongzhou Wanda Plaza



Guangxi Wuzhou Cultural Center



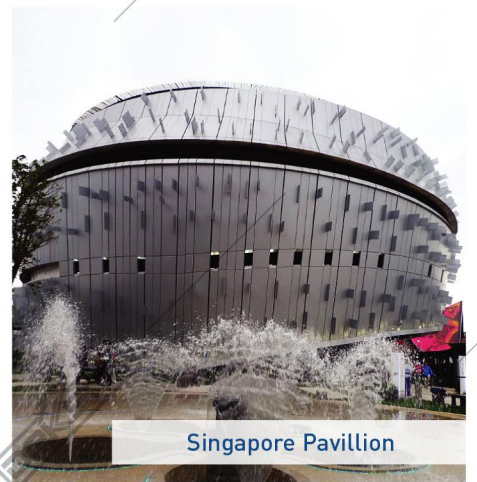
Huayuan Emgrand



National Exhibition and Convention Center (NECC)



Shanghai Train Station



Singapore Pavilion



Yancheng SC Stadium



Wuhai Wanda Plaza

## 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.



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 Anti-Scratch ACP offers a stronger coating to withstand the elements. This is achieved by using either a **special paint** or a **special aluminium plate**. The anti-scratch function ensure both longevity and beauty that last, especially for external use.



With a strengthened fireproof core, Dekkson Fire-Resist 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-Resist ACP is economical, lightweight and strong with smooth surface, good coating quality and good insulation.



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



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.



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

## TERMS & CONDITIONS

Dekkson Aluminium Composite Panel provides AA5005 (Alu+Mg 3-5%), AA3003 (Alu+Mn 1-1,5%) and AA1100 (Alu 99.5%) premium alloys.

Various additional functions as featured above is available for request. Price differs according to function(s) selected. Core materials and coatings/paints with additional functions is available to be selected separately.

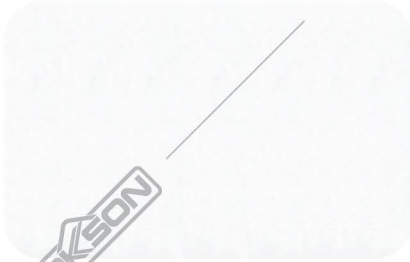
Core materials and coatings/paints presented on this catalog only serves as an illustration. Actual application may differ. Please consult our staff or read the technical data for more detailed explanation.

Please contact our customer services or sales for more information.  
Or simply email us at [acp@dekkson.com](mailto:acp@dekkson.com)

*\*colors are only for reference*



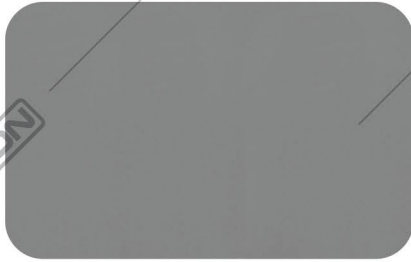
DKS-8813 Pure White



DKS-8814 Milk White



DKS-8815 Ivory White



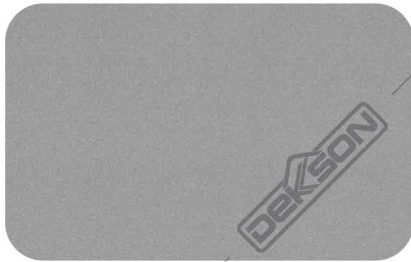
DKS-8855 Slate Grey



DKS-8854 Steel Grey



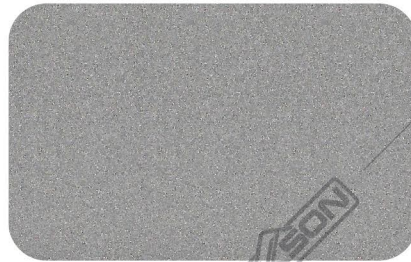
DKS-8856 Dark Grey



DKS-8802 Silver Grey



DKS-8801 Silver Metallic



DKS-8804 Champagne Gold



DKS-8808 Pearl Beige



DKS-8806 Graceful Grey



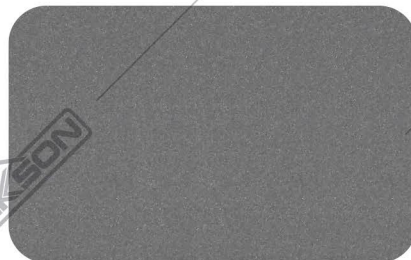
DKS-8858 Asphalt Grey



DKS-8803 Pearl Grey



DKS-8857 Flash Silver



DKS-8805 Magnet Silver



DKS-8809 Sparkle Gold



DKS-8810 Pure Gold



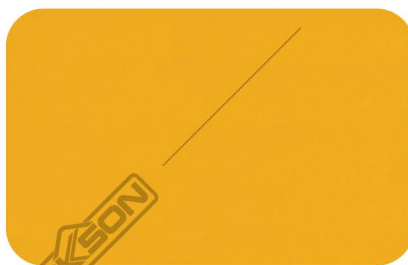
DKS-8812 Goldenrod Metallic

# STANDARD COLORS

\*colors are only for reference



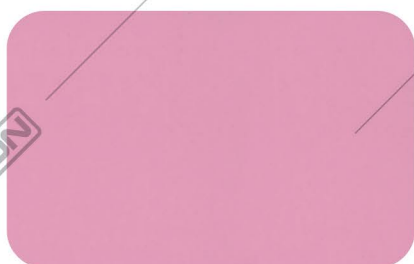
DKS-8820 Pineapple Yellow



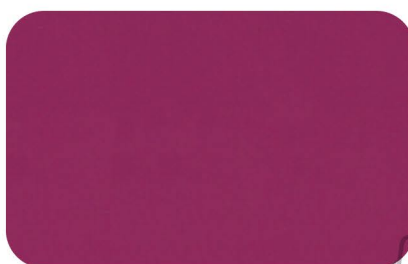
DKS-8821 Pure Yellow



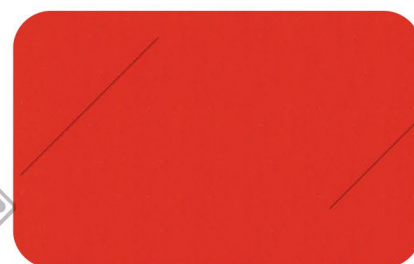
DKS-8823 Saffron Yellow



DKS-8825 Pink



DKS-8832 Violet Red



DKS-8824 Orange



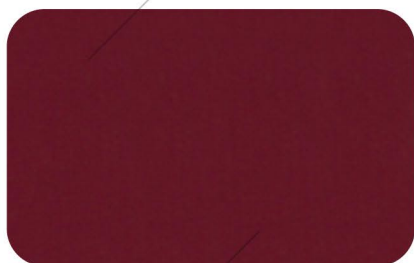
DKS-8829 Ruby Red



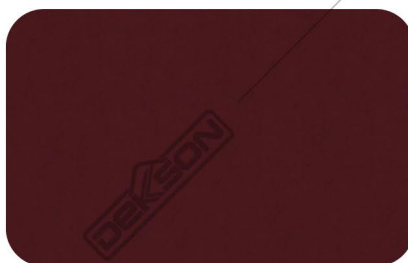
DKS-8827 Garnet Red



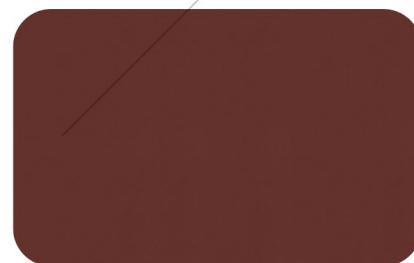
DKS-8828 Rose Red



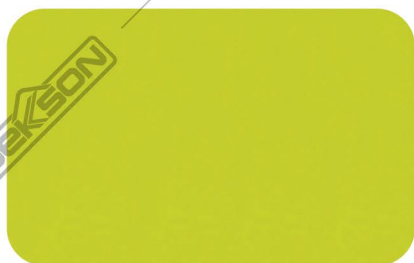
DKS-8833 Mahogany Red



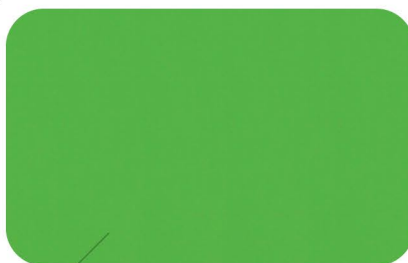
DKS-8835 Merlot Red



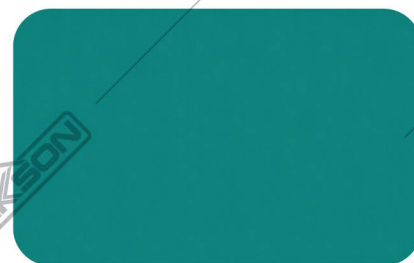
DKS-8836 Henna



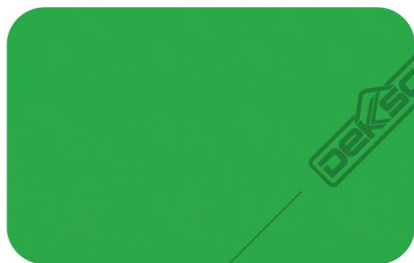
DKS-8838 Pistachio Green



DKS-8839 Lizard Green



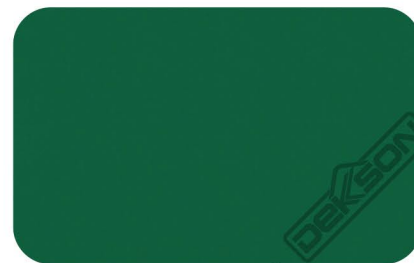
DKS-8846 Torquoise Green



DKS-8840 Apple Green



DKS-8841 Jade Green

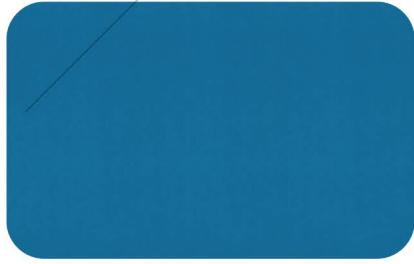


DKS-8842 Deep Jungle Green



# STANDARD / SPECIAL COLORS

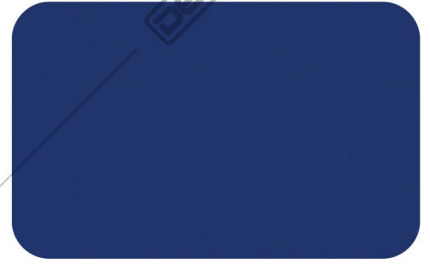
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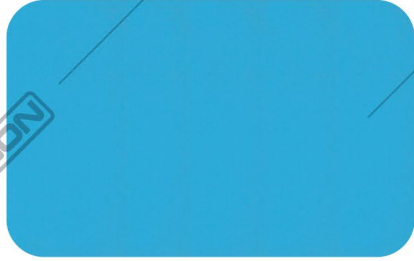
DKS-8849 Light Blue



DKS-8850 Ocean Blue



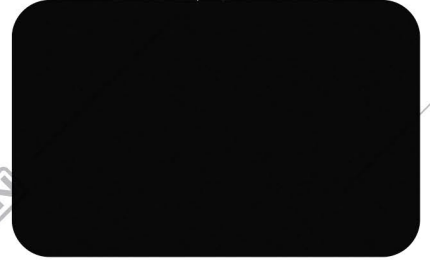
DKS-8851 Dark Blue



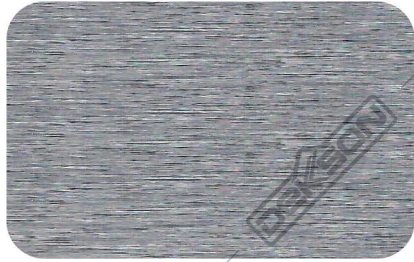
DKS-8844 Sky Blue



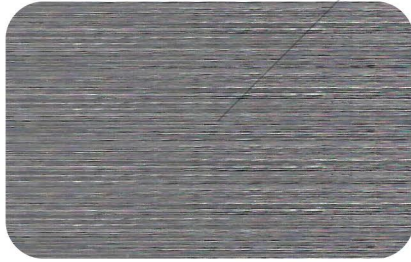
DKS-8864 Light Coffee



DKS-8866 Black



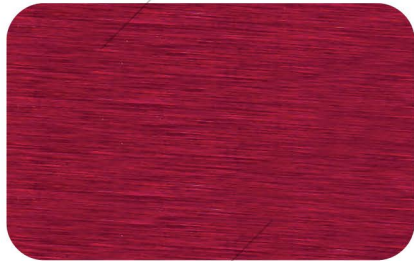
DKS-8867 Silver Brush



DKS-8861 Steel Brush



DKS-8868 Gold Brush



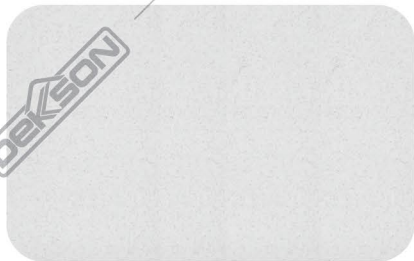
DKS-8871 Red Brush



DKS-8870 Copper Brush



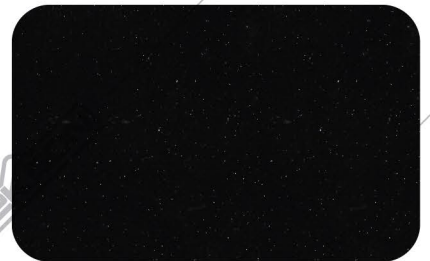
DKS-8872 Black Brush



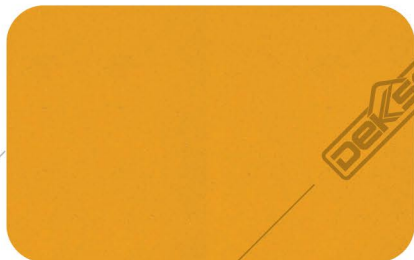
DKS-8N551 Nacreous White



DKS-8N550 Nacreous Blue



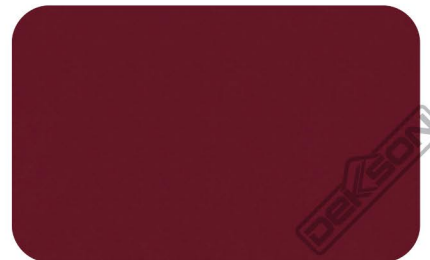
DKS-8N555 Nacreous Black



DKS-8N552 Nacreous Yellow



DKS-8N553 Nacreous Red



DKS-8N554 N. Mahogany Red

# GLOSSY / MIRROR COLORS

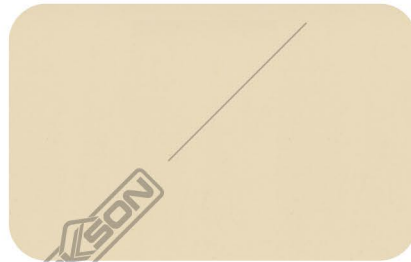
\*colors are only for reference



QUALITY IS THE KEY



DKS-8531 Glossy White



DKS-8533 Glossy Buff



DKS-8534 Glossy Yellow



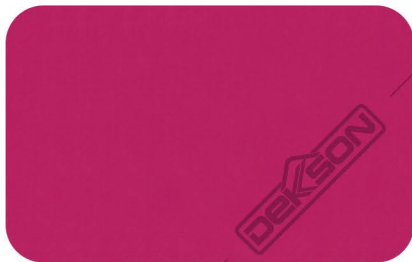
DKS-8542 Glossy Lizard Green



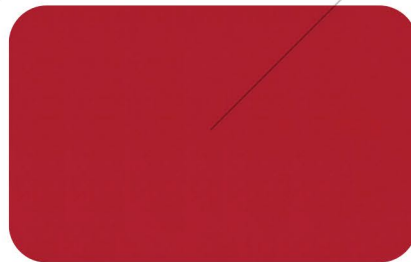
DKS-8543 Glossy Green



DKS-8537 Glossy Orange



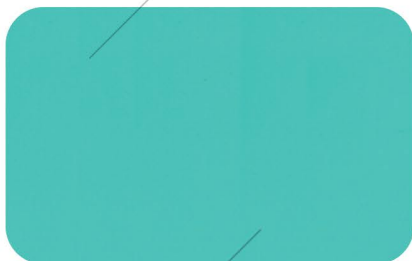
DKS-8540 Glossy Garnet Red



DKS-8538 Glossy Ruby Red



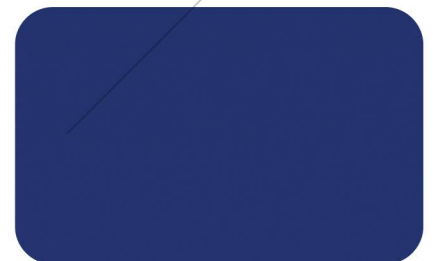
DKS-8539 Glossy Wine Red



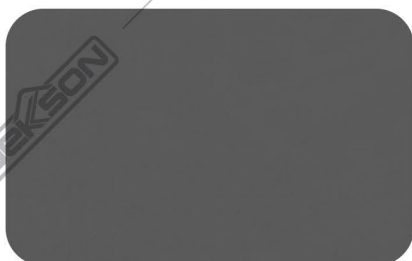
DKS-8541 Glossy Lake Blue



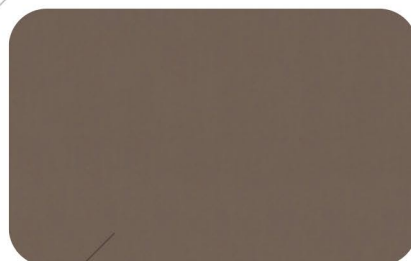
DKS-8544 Glossy Light Blue



DKS-8545 Glossy Dark Blue



DKS-8547 Glossy Steel Grey



DKS-8548 Glossy Light Coffee



DKS-8550 Glossy Black



DKS-8556 Silver Mirror

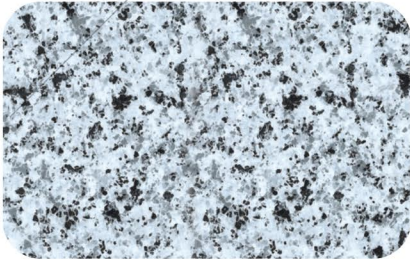


DKS-8558 Gold Mirror

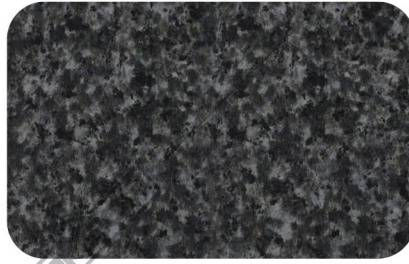


DKS-8560 Black Mirror

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DKS-837345 Artic Stone



DKS-837192 Caledonia Stone



DKS-837082 Sahara Stone



DKS-837432 Fantasy White Stone



DKS-837421 Haulien Stone



DKS-837113 Marquinia Stone



DKS-837448 Ash Wood



DKS-837148 Pickled Oak Wood



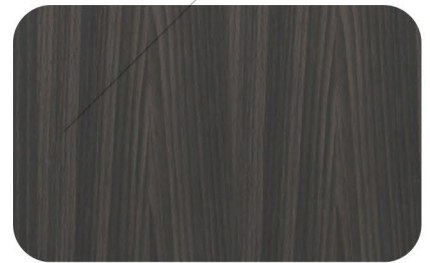
DKS-837097 Makore Wood



DKS-837511 Mahogany Wood



DKS-837373 Red Oak Wood



DKS-837042 Walnut Wood



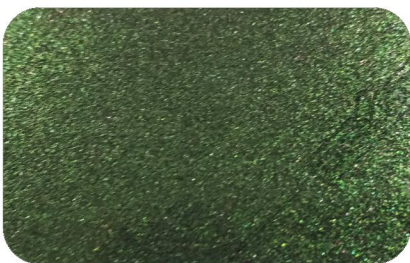
DKS-8CH001 White Chameleon



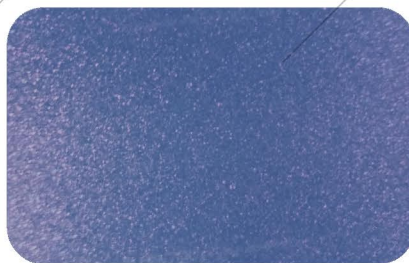
DKS-8CH002 Grey Chameleon



DKS-8CH003 Orange Chameleon



DKS-8CH004 Olive Chameleon



DKS-8CH005 Violet Chameleon



DKS-8SUS304 Stainless Steel SUS 304



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More Information :

