

KYDEX



Introduction of Company and Kydex

Artisan is a Chinese factory with 28 years' experience, specializing in the development, manufacture and sale of outdoor supplies and related materials.

We are the vice-chairman unit of the Insulation Material Branch of China Electrical Appliance Industry Association and vice-chairman unit of China, Composite Material Industry Association. We are one of the drafting units of the national standards for composite materials and insulation materials in China.

Depending on a high-quality R&D team consisting mainly of Ph.D. and M.A., our products meet many national product standards, such as DIN of Germany, NEMA of the United States, JIS of Japan, and some of them even meet MIL-I standards of the U.S. military. All product meet the requirement of RoHS/CE/SGS/ISO standard. We have exported to more than 50 countries and regions and established long-term and stable cooperative relations with many home and abroad well known companies.

Kydex is specially used for interior parts in the rail transit fields such as aerospace, aircraft, high-speed rail trains, subways, cloud rails, urban rails, high-end cars, RVs, yachts, cruise ships, etc. The K- board is also suitable for medical equipment, robots, outdoor equipment, scabbard holsters, lampshades, base stations, trolley boxes, trash cans and other shell shields, space capsules, clean rooms and public mobile equipment, commercial furniture, bathroom and other building materials.

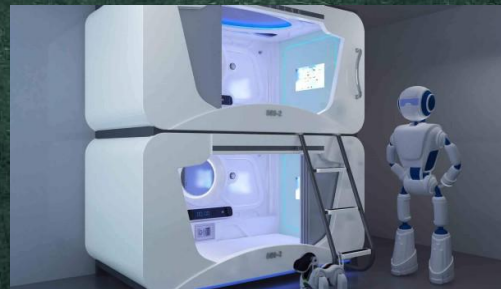
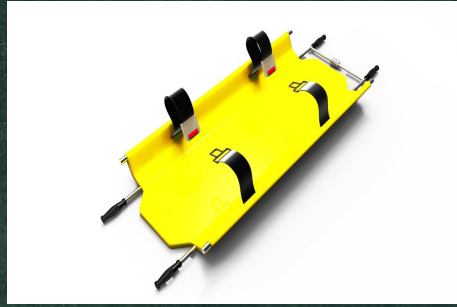
Main Product Features

1. High flame resistance---FAR 25.853, CCAR 25.853, UL94-V0/5VA、 EN 45545-2,TB/T 3237-2010,GB 8410
2. High impact resistance---After non-destructive external forces such as high impact, scratching, abrasion, etc., will not be damaged and will not change shape.
3. High stretchability---under the same size, the tensile ductility after heating is 2-3 times that of similar thermoplastic panels.
4. Acid and alkali resistance, chemical resistance, corrosion resistance---It is more resistant to the erosion of concentrated chemicals than other thermoplastic panels, and can be adapted to a wider range of chemical agents. It is especially suitable for interiors in medical and health fields such as chemical laboratories, clean rooms, and antibacterial spaces.
Super toughness and high elasticity, destructive resistance, safety, and durability | It is safer and more practical in areas such as airplanes, high-speed rails, subways, and buses.
5. Low density and light weight --- 1.28-1.41g/cm³.
6. Paint-free coloring---A variety of textures and dozens of colors to choose from, environmentally friendly and non-toxic, increase the demand for product colors in various fields of use, save labor costs and improve production efficiency than materials that need to be painted and colored.
7. Environmentally friendly and recyclable---The scrapped recycled products can be reshaped by adding additives and other methods, which is environmentally friendly and saves costs.

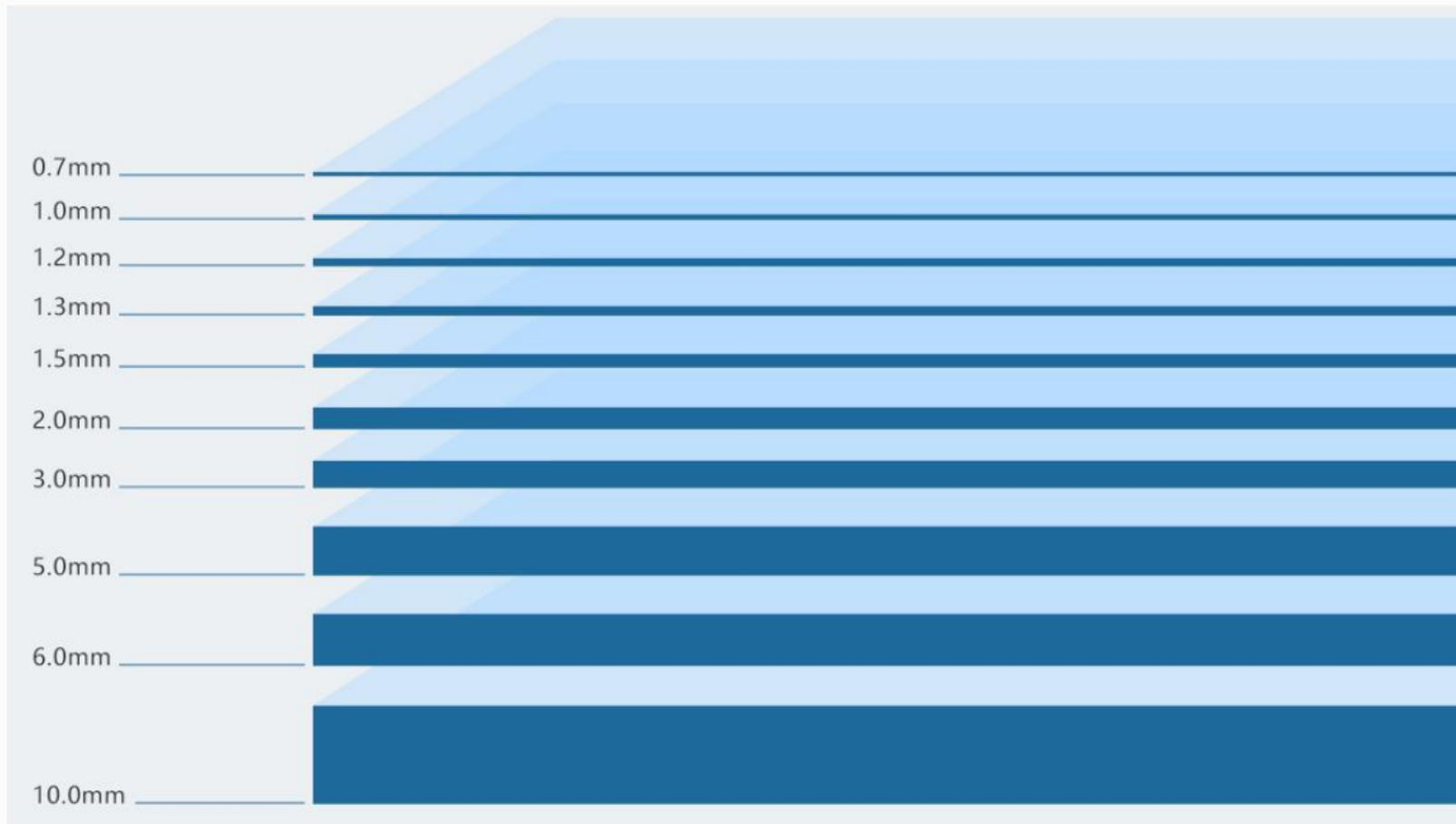
Technical Parameters

Physical Property	Value	Unit	Testing Method
Density	1.33	g/cm3	ASTMD792
Rockwell hardness	90	D	ASTMD785
Elastic Modulus	2400	Mpa	ASTMD790
Tensile Strength	51	Mpa	ASTMD638
Impact resistance	810	J/m	ASTMD2561
Thermal Change Temperature	76	°C	ASTMD648
Vicat Softening Point	105	°C	ASTMD1525-09
UI Flame Retardant Grade	5VA		UI94

Product Application Field



Product Size & Thick



Standard sheet size:1220× 2440mm

Thick range:0.7mm to 10mm

Color



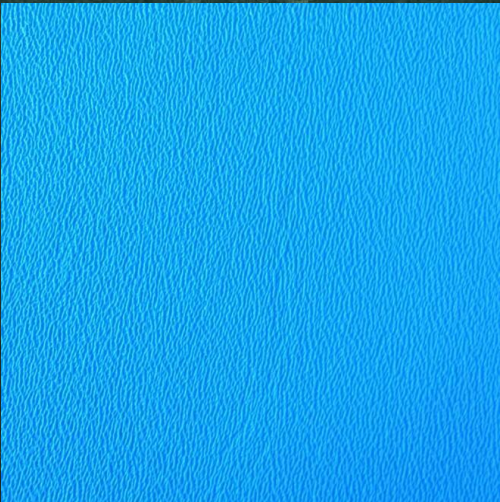
Fluorescent green



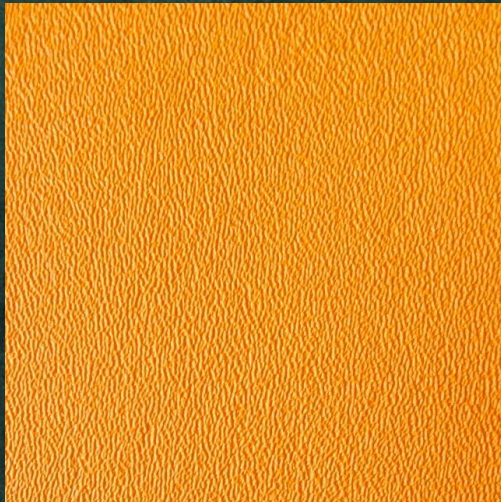
Red



Pink



Blue



Orange



Dark orange

Color



Black



Chocolate



Gray



OD green



Khaki

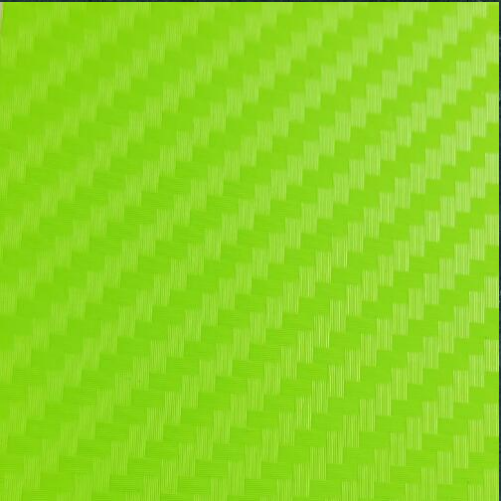


Desert Yellow

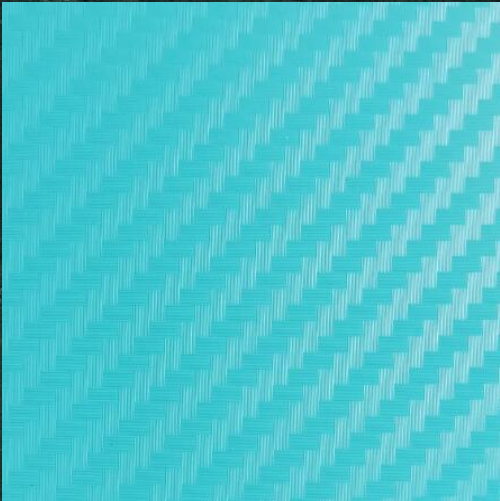
Color-Carbon & weaving surface



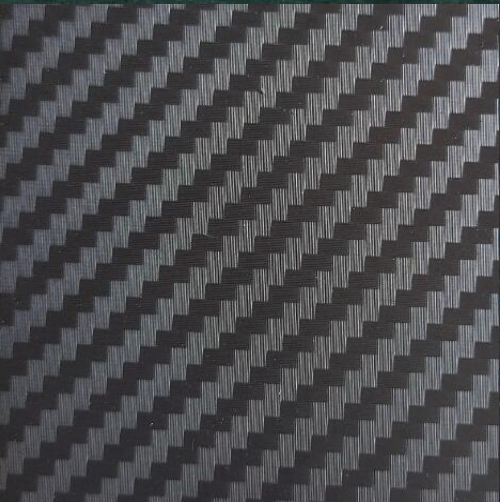
Orange carbon surface



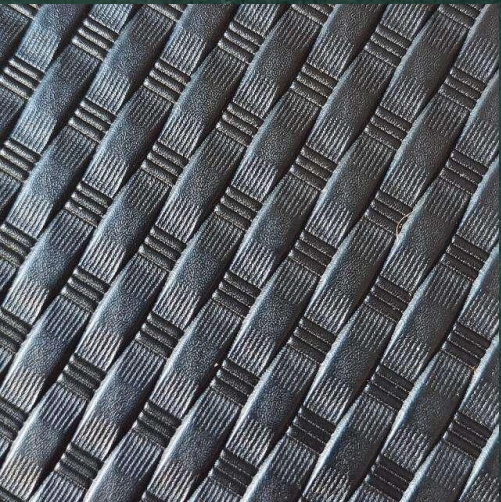
Green carbon surface



Blue carbon surface



Black carbon surface



Weaving surface



LV surface

Color-Camo surface



Color-Camo surface



More Pictures

