



## COMPANY INTRODUCTION

Established in 1989, ABOSN has a history of 25 years in manufacturing engineering plastics. Now it becomes the largest and most professional manufacturer of Engineer plastics such as UHMWPE and HDPE rods, sheets, parts and components. PP, PVC, PTFE products are also involved. We own the most advanced machine to produce and process flow compared with others.

The factory covers an area of 36000 square meters which has 7 big workshops for different products and application. ABOSN is the only manufacturer that produces both extruded and pressed plastic products in China and represents the most advanced productive forces and highest quality.

ABOSN develops new products to meet customers' changing demands every year. All UHMWPE&HDPE products ensure compliance with ISO9001:2008, and widely used in electric power, ports, mining, coal, paper, textile, cocking, chemical industry, etc. Products are exported to many countries all over the world such as Indonesia, Malaysia, Korea, Japan, Russia, Germany, India, England, Italy, South Africa, America, Canada, Chile, etc.

Our management creed is "Quality first, Customer first, Keeping improving". We are willing to establish a wide and continuous cooperation with enterprises home and abroad.

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**UHMWPE  
SHEET**

UHMWPE fender pads  
Crane outrigger pads  
Wear-resisting liners  
Radiation shielding material  
UHMWPE parts

# UHMWPE SHEET



## 01 Characters

1. Excellent abrasion resistance
2. Low coefficient of friction
3. No moisture absorption
4. Corrosion resistant
5. Excellent noise abatement
6. Excellent impact strength
7. Maintains key physical properties to -200 C

## 02 Type

### Color :

- ★ Single colored UHMWPE Sheet
- ★ Dural colored UHMWPE Sheet
- ★ Rubber coated UHMWPE Sheet

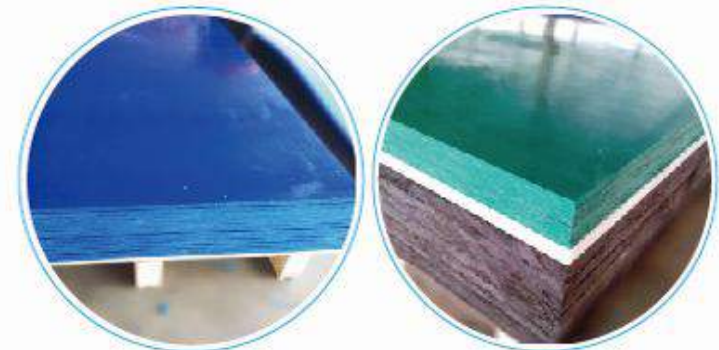
### Character:

1. Anti-static UHMWPE Sheet
2. Self-lubricating UHMWPE Sheet
3. Tivar88 equalled UHMWPE Liner
4. Flame-retardant UHMWPE Sheet
5. Boron UHMWPE Plate
6. Anti-slip UHMWPE Sheet
7. Ceramic filled UHMWPE Sheet
8. Glass filled UHMWPE Sheet
9. Fender Grade UHMWPE Sheet

## 03 Specification

Standard size	5040X1330mm 4730X1230mm 3050X1220mm 6050X1820mm 3030X1550mm 4520X2000mm 3050X3050mm 2000X1000mm 6000X2000mm
Thickness	2-300mm

Other size can be made according to requirements

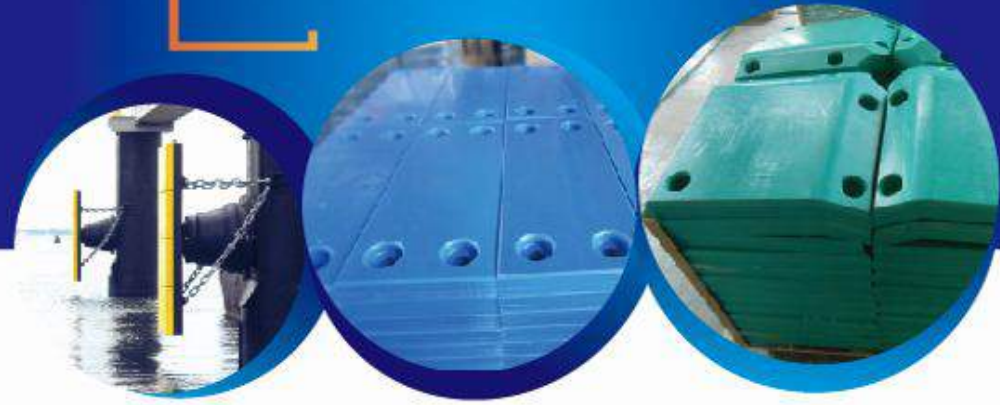


## 04 Application

<ul style="list-style-type: none"> <li>★ Natural virgin UHMW-PE Chute and hopper linings (flow promotion) Bulk storage Material handling Wear parts Food machinery equipment</li> </ul>	<ul style="list-style-type: none"> <li>★ Fender grade Wear plates where dock meets pillage Bushings for pivots Fenders Slide</li> </ul>
<ul style="list-style-type: none"> <li>★ Black anti static grade Belt guides Sliding and conveying elements Bulk storage wear liners Grain industry Coal handling</li> </ul>	<ul style="list-style-type: none"> <li>★ Glass filled / Ceramic filled grade Dewatering elements Foil blades Suction box tops Vacuum forming boards</li> </ul>
<ul style="list-style-type: none"> <li>★ Flame resistant grade Underground mining Scraper blades Hopper liners Liner beds Wear profiles Impact slider bars Chain guides</li> </ul>	<ul style="list-style-type: none"> <li>★ Self lubricating grade Bulk storage flow promotion Bulk storage wear liners Mechanical chain guides Mechanical wear strips Synthetic ice rink</li> </ul>
<ul style="list-style-type: none"> <li>★ Natural high molecular grade PE 500 Machine Parts Guides and Fixtures Gears and Rollers Starwheels Cutting Boards Vacuum Table</li> </ul>	<ul style="list-style-type: none"> <li>★ Anti-slip UHMWPE Sheet Anti-slip street Ground protection mat Temporary roadway Construction road mat</li> </ul>



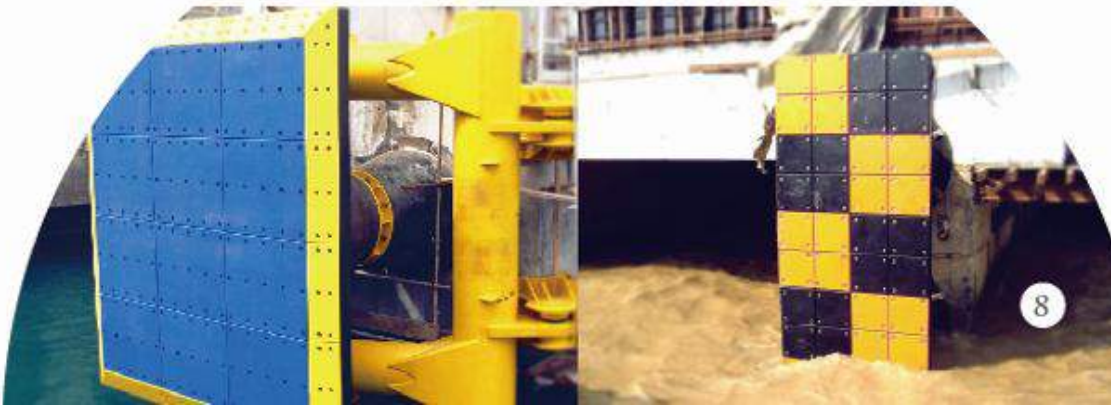
## UHMWPE FENDER PADS



ABOSN UHMWPE1000 ultra high molecular weight polyethylene (UHMW-PE) is the first choice material for facing steel fender panels and other heavy duty applications. It combines very low friction with excellent impact strength and a wear resistance much better than steel. Most popular is ABOSN UHMWPE1000-DS which is 'double-sintered' and work-hardened for extra durability. The standard colour is black, but if other colours are needed then UHMWPE 1000-V 'virgin' grade also comes in yellow, white, grey, blue, green and red. UHMW-PE1000 materials are compounded to resist ozone and UV radiation. They do not degrade or rot and are easily recycled at the end of their service life.

### Advantages

- Very high impact strength
- Very low friction coefficient
- Very high abrasion resistance
- UV + Ozone resistant
- Non-conducting (optional)
- 100% recyclable, non-rottening
- Cut to size sheet, all size is available with us



● **Standard color**

Black, Yellow, Blue, Green, Red, White, other colors are available upon request

● **The applications are as follows**

low resistance sliding panels for bridge and protection  
 low resistance sliding plates on fender panels  
 corner protection for offshore structures,  
 berths and other marine facilities

● **Specification**

UHMW-PE Flat Fender pad, UHMW-PE Corner Fender pad, UHMW-PE Edge Fender pad are all available  
 (Please contact us for special requirements)



For special drawing and properties of UHMW-PE Fender facings /UHMW-PE Fender pad, please contact us

● **Properties**

Item	Test method	Unit	UHMWPE 1000-V	UHMWPE 1000-DS
Density	ISO1183-1	g/cm <sup>3</sup>	0.93-0.95	0.95-0.96
Yield Strength	ASTM D-638	N/mm <sup>2</sup>	15-22	15-22
Breaking Elongation	ISO527	%	>200%	>100%
Impact Strength	ISO179	KJ/m <sup>2</sup>	130-170	90-130
Abrasion	ISO15527	Steel=100	80-110	110-130
Shore Hardness	ISO 868	Shore D	63-64	63-67
Friction Coefficient (Static state)	ASTM D-1894	Unitless	<0.2	<0.2
Operating Temperature	-	°C	-80 to +80	-80 to +80

# OUTRIGGER PADS



ABOSN engineered plastic cribbing plates and outrigger pads are lightweight, strong, and solid designed to support your crane, and can be easily handled and positioned by one person or two. It can not be warped like wood or corroded like steel. It won't break in the long guaranteed time and obviously could not attract thieves.

ABOSN outrigger pads can be used not only as crane leg pads, but also the trailer plates, sleeper of heavy machinery track mats of heavy truck. The multi-function makes our outrigger pads popular in the world market, because we can produce all the outrigger pads according to customers' reasonable ideas.

### ● Benefits of our plastic ground pads (outrigger pads):

1. Do not absorb moisture and will not swell up over time due to exposure outdoors.
2. Good impact intensity, do not decrease the impact strength over time.
3. Good breaking elongation, so they will bend but not break under extreme loads.
4. Non-stick surface, easy to clean.
5. Corrosion and chemical resistant.
6. Can work in bad weather conditions.
7. Durable lasting, low cost and efficient working compared to steel or aluminum.
8. Amazingly light compared to steel pads, and easier to mount and replace.
9. Will not rot, crack, splinter, much safer to use in the field compared to other wood based pads.
10. Lower maintenance cost.
11. Storage-Friendly.

### ● Example square pads size and properties :

Thickness (inch)	Pad size (inch)	Part Number	45° Load	Vertical Load	Pad Weight
1" Square	18X18	X1T1818	14 tonnes	25 tonnes	5.00kgs
1" Rectangle	20X24	X1T2024	16 tonnes	27 tonnes	7.63kgs
1" Square	24X24	X1T2424	16 tonnes	34 tonnes	9.15kgs
1" Square	30X30	X1T3030	18 tonnes	36 tonnes	14.3kgs
1" Square	36X36	X1T3636	19 tonnes	42 tonnes	20.6kgs
1" Square	48X48	X1T4848	22.5 tonnes	59 tonnes	36.62kgs
1" Round	30" Dia	X1TR30	12 tonnes	28 tonnes	11.23kgs
1" Round	36" Dia	X1TR36	15 tonnes	32 tonnes	16.16kgs
1" Round	48" Dia	X1TR48	18 tonnes	45 tonnes	28.75kgs
1-1/2" Square	18X18	X1.5T1818	14 tonnes	25 tonnes	7.73kgs
1-1/2" Square	24X24	X1.5T2024	16 tonnes	27 tonnes	13.73kgs
1-1/2" Square	30X30	X1.5T3030	19 tonnes	37 tonnes	21.46kgs
1-1/2" Square	36X36	X1.5T3636	20 tonnes	43 tonnes	31.00kgs
1-1/2" Square	48X48	X1.5T4848	23 tonnes	59 tonnes	55.00kgs
1-1/2" Round	30" Dia	X1.5TR30	14 tonnes	28 tonnes	16.85kgs
1-1/2" Round	36" Dia	X1.5TR36	15 tonnes	32 tonnes	24.24kgs
1-1/2" Round	48" Dia	X1.5TR48	18 tonnes	45 tonnes	43.13kgs

Thickness (inch)	Pad size (inch)	Part Number	45° Load	Vertical Load	Pad Weight
2" Square	18X18	X2T1818	14 tonnes	26 tonnes	10.30kgs
2" Rectangle	20X24	X2T2024	18 tonnes	28 tonnes	15.26kgs
2" Square	24X24	X2T2424	18 tonnes	28 tonnes	18.31kgs
2" Square	30X30	X2T3030	19.5 tonnes	38 tonnes	28.62kgs
2" Square	36X36	X2T3636	20 tonnes	44 tonnes	41.20kgs
2" Square	48X48	X2T4848	25 tonnes	63 tonnes	73.25kgs
2" Round	30" Dia	X2TR30	15 tonnes	30 tonnes	22.47kgs
2" Round	36" Dia	X2TR36	16 tonnes	32 tonnes	32.33kgs
2" Round	48" Dia	X2TR48	19 tonnes	45 tonnes	57.51kgs
<b>2 - 1/2" Square</b>					
2 - 1/2" Square	24X24	X2.5T2424	17.5 tonnes	28 tonnes	22.89kgs
2 - 1/2" Square	30X30	X2.5T3030	19 tonnes	39 tonnes	35.76kgs
2 - 1/2" Square	36X36	X2.5T3636	20 tonnes	45 tonnes	51.50kgs
2 - 1/2" Square	48X48	X2.5T4848	24 tonnes	60 tonnes	91.56kgs
2 - 1/2" Round	30" Dia	X2.5TR30	15 tonnes	29 tonnes	28.09kgs
2 - 1/2" Round	36" Dia	X2.5TR36	15.3 tonnes	33 tonnes	40.41kgs
2 - 1/2" Round	48" Dia	X2.5TR48	19 tonnes	46 tonnes	71.88kgs
<b>3" Square</b>					
3" Square	24X24	X3T2424	18 tonnes	29 tonnes	27.47kgs
3" Square	30X30	X3T3030	20 tonnes	40 tonnes	42.92kgs
3" Square	36X36	X3T3636	22 tonnes	47 tonnes	61.80kgs
3" Square	48X48	X3T4848	26 tonnes	66 tonnes	109.87kgs
3" Round	30" Dia	X3TR30	15 tonnes	30 tonnes	33.70 kgs
3" Round	36" Dia	X3TR36	16 tonnes	36 tonnes	48.49kgs
3" Round	48" Dia	X3TR48	20 tonnes	51 tonnes	86.26kgs

## WEAR-RESISTING LINERS



Ultra High Molecular Weight Polyethylene (PE - UHMW) occupies the extreme end of the polyethylene performance spectrum. With a molecular weight ranging from 3 to 7 million g/mol, PE - UHMW linear polymer chains are 10 times longer than conventional High Density Polyethylene (HDPE).

- This unique molecular structure gives PE - UHMW it's exceptional properties like below:

Density : 0.92 – 0.96 g/cm <sup>3</sup>	Abrasion resistance (sand slurry test) : 70 – 120 %
Tensile strength at yield : 15 – 20 Mpa	Shore hardness D : 63 – 68o
Notched impact strength : 80 – 170 kJ/m <sup>2</sup>	Max. cont. temperature : 80 °C

ABOSN UHMWPE properties have met the full range of material flow, friction and wear challenge associated with bulk materials.

- Excellent properties for PE-UHMW to handle bulk:

1. Very low dynamic friction coefficient (15)
2. Extreme wear resistance (200% higher than stainless steel)
3. Resistance to chemicals
4. Corrosion resistance
5. High impact strength (upto 170kJ/m<sup>2</sup>)
6. Service temperature range -260°C to +80°C

- Benefits of our UHMWPE as a lining:

1. No incrustations of bulk material
2. No bridging caused in hoppers
3. Faster bulk material flow
4. Costo lining exist hopper with uhmwpe is one third of the cost of mild steel
5. PE-UHMW is half the weight of steel, despite being three times as thick

UHMWPE Lining can be cut to customer size. All different colors are available.

- APPLICATIONS :

Chutes, silos, Bins, Launderers for fines handling declaimer buckets conveyor skirting, truck beds liners etc. where the surface to be lined needs excellent flow ability and abrasion wear resistance.



## RADIATION SHIELDING MATERIAL



Borated polyethylene sheet is a product specially designed for nuclear and radiation shielding applications, its neutron shield properties have been tested and certified. As same as other shielding materials, this material can produce  $\gamma$ -ray under the action of neutron, and  $\gamma$ -ray dose is second grade relative to shielding neutron. Borated polyethylene costs low and light-weighted, so it is the best material to replace lead to shield neutron. The boron content is from 2% to 20% by weight according to applications and customers' requirements.

### Popular Applications:

- Nuclear Reactors
- Nuclear Warships
- Personnel and Cargo Detection Devices
- Medical Vaults
- Doors for Linear Accelerators
- Research Applications
- X-ray Rooms
- Cancer Treatment Facilities
- Nuclear Power Plants
- MRI Rooms
- Anywhere nuclear or radiation shielding is required



## UHMWPE PARTS



### UHMWPE Shaped Parts

ABOSN owns all kinds of process machines, as CNC machine, lathe, cutting machine, thicknesser and so on. So we can provide customers with all kinds of OEM service in different industry. Our uhmwpe shaped parts are: uhmwpe chain guides, suction box cover, uhmwpe roller, uhmwpe bearing, wear sleeve, uhmwpe scraper, star wheel, sealing, ship parts and other machined parts.





## HDPE Sheet



2

## HDPE SHEET

Dual color sheet / Orange peel HDPE sheet  
HDPE parts

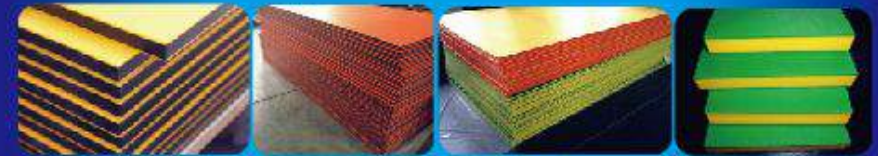
As a thermoplastic sheet manufacturer in China, Abosn can supply both single color and Dual-color HDPE sheets to suit customer demands. We own the most advanced Extrusion machines to extrude HDPE sheets with fixed material under certain pressure and temperature.

HDPE Sheet has an almost waxy feel to it and is pretty good at being a low friction wear strip material and is used probably more than any other plastic as a wear strip on conveyors or production lines of huge companies. While it is difficult to bond effectively to anything, which means that HDPE Sheet will need to be physically or mechanically fixed in place using screws etc.



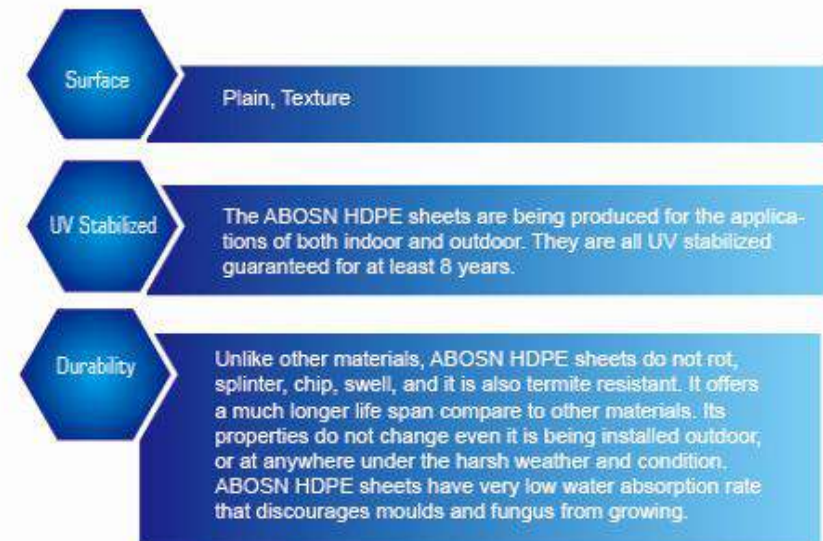
<b>We would like to show the important details in below form :</b>	
<b>Mode of Forming</b>	Extrusion
<b>Classifications</b>	HDPE Industrial Sheets ( Engineer Sheets) HDPE UV Stabilized Sheets HDPE Anti static Sheets HDPE Anti flame sheets
<b>Sizes</b>	Thickness range: 1mm~30mm Width max: 2500mm Length: Any length. Standard sizes: 1220X2440mm; 1000X2000mm We can also provide any other sizes according to your special needs.
<b>Surface</b>	Plain, Matt, Embossed, Textures
<b>Standard Colors</b>	Blue, grey, black, white, yellow, green, red and any other colors according to customers' requirements.
<b>Characteristics</b>	Excellent chemical resistance Good wear resistance Anti-Weather and Anti-Aging Good electrical insulation UV Resistance Stain resistant Good protection against stress cracking Very low water absorption; Moisture resistant Low maintenance cost Resists organic solvents, degreasing agents & electrolytic attack High flexibility at high or low temperature The mechanical strength of surface hardness, stretching intensity and rigidity is higher than LDPE . Food safe. Non-Toxic and smell
<b>Applications</b>	Food storage and freezing equipment Cutting boards, kitchen counters, kitchen shelves Protective surface in the food processing industries. Acid and alkali resistant equipment, environmental protection equipment Water tank, washing tower, waste water, waste gas discharge, water treatment equipment Chemical containers, medicine and food packaging Machinery, electronics, electrical appliances, decoration and other fields Clean room, semiconductor plant and related industrial equipment Gas transportation, water supply, drainage, agricultural irrigation Pump and valve components, medical appliance parts, seal, cutting board, sliding profiles Outdoor recreational facilities and Indoor house furniture, Sound Barrier, Toilet Partition, Partition Board and Furniture, Rainbow chairs

## DUAL COLOR SHEET / ORANGE PEEL HDPE SHEET



### ● Environmental Friendly

ABOSN HDPE sheets are environmental friendly products because they are completely recyclable. As the environmental issue is so important, we are all responsible to protect the environment. We should be making efforts by choosing products that are recyclable.



**Maintenance free and Hassle free**

ABOSN HDPE sheets are colored sheets and you can choose any color you like. It can also be easily cleaned by using a pressure washer and its non-stick surface makes graffiti difficult.

**Cost Saving**

Taking into consideration of the advantages offered, working with ABOSN HDPE sheets can definitely help in labour and material cost saving. It saves maintenance costs in long run too.

**Standard Colors**

Red, orange, yellow, blue, purple, beige, black, green, white and any other colors according to customers' requirements.

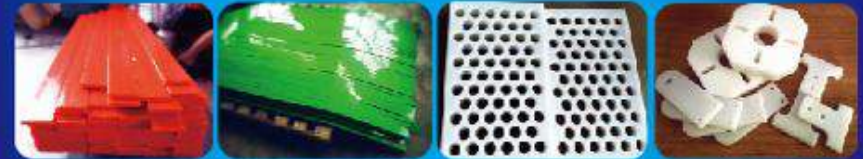


**Applications**

Outdoor recreational facilities / Sports venues / Carved signs  
Indoor house furniture / Playground Equipment  
Decorative Elements / Prototype



## HDPE PARTS



ABOSN is a professional custom plastic fabrication service and solution provider in China. Apart from High Density Polyethylene sheet and dual color sheet, we also offer a broad range of custom HDPE machined parts such as PE cutting board, wear blocks, wear strips, rods and tubes, etc.

The HDPE parts are well suited to the food industry where low friction, wear and buffer strips on food production lines are important. HDPE Sheet is also important within the conveyor industry, water industry and fishing industry because of its very low moisture absorption and good chemical resistance.

HDPE Sheet can be machined quite nicely on CNC or cutting machine to make different machined parts and provide a nice smooth surface.



## LIGHT DUTY GROUND MATS



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## GROUND PROTECTION MATS

Light duty ground mats  
Heavy duty ground mats

### ● Introduction

Our light duty ground protection mats are perfect for allowing access and gaining traction to construction sites for rubber tracked and tyred vehicles from cars, vans, JCB, cranes, HGVs up to 80 tons (static load). Also they are ideal for ground protection and pedestrian foot paths over soft or sensitive ground, sand, mud, turf, marshy areas at any event.

A superior alternative to plywood and steel, ABOSN Light duty ground mats will not warp, rot, crack, delaminate or absorb harmful chemicals. Made of a special HDPE.

### ● Specification

2000X1000mm, 3000X1500mm, 2440X1220mm,  
2440X610mm, 2900X1100mm, 3000X2000mm,  
4000X2000mm  
Thickness can be 12.7mm, 15mm, 18mm,  
19mm, 20mm, 25mm  
Other customer size is also available  
The Max loading weight is 80 tons (static)  
Material: HDPE Composite material

The surface finish type :



A. For Vehicle B. For pedestrian C. Flat surface

The surface can be different choice: 1.AA 2.AB 3.AC 4.BC

### ● Application :



Protect your turf and provide access nearly anywhere

- Temporary flooring
- Stadium ground covering
- Contractors
- Outdoor Events/shows/festivals
- Building site access works
- Construction, civil engineering and ground work industries
- Emergency access routes
- Golf course and sports field maintenance
- National Parks
- Landscaping
- Utilities and infrastructure maintenance
- Boat regattas
- Cemeteries
- emporary roadways and carparks
- Military sites
- Caravan parks
- Heritage sites and eco friendly areas

## HEAVY DUTY GROUND MATS



### ● Heavy duty track way panel

Our heavy duty plastic track way panel is suitable for the heaviest of loads up to 200tons and can be used to create track ways and compound working areas for a wide range of industries including construction, oil drilling industry, power transmission, renewable energy sites and infrastructure works.

The solid one piece panels provide a firm working surface and can be used in any weather conditions. They are particularly suitable for use on transmission projects as they are non-conductive and also on remote or high theft risk sites due to their minimal scrap value.

The panels are rigid enough to efficiently disperse the heaviest of loads whilst at the same time they will follow ground contours allowing use on undulating ground

Simple robust 16mm bolted connections allow the panels to be joined in either wide track layouts or compound and work areas of any dimension. Easily installed with crane mounted wagons or all terrain forklifts/telehandler

### ● Specificaiton

Standard size : 4500X2000X38mm ( plus two side 5mm traffic lugs) total 48mm

3000X2500X38mm (plus one side 7mm traffic lugs ,one side 2mm pedestrian) Total 47mm

The thickness can be various according customer required loading weight.



# 4

## ICE RINK PRODUCTS

Dasher board system  
Shooting pads  
synthetic ice

## ICE RINK PRODUCTS

Abosn is becoming the exclusive developer and manufacturer of Ice Rink Products in China.

By controlling every step in the manufacturing process, we can offer you a wide range of ice rink series products, such as dasher board ( slide board ) system, hockey shooting pad and synthetic ice board, etc. With offering different shapes, sizes and colors that are sure to be the perfect fit for your projects, we are receiving more and more excellent feedback from customers, especially for Europe and Canada customers.

With popular designs of our products, you can choose from the standard sizes and models.

Also we accept orders for custom designed rinks specifically , make drawing and plan the project together.

We are your trusted partner from planning to installation.



## DASHER BOARD SYSTEM



### Brief Introduction:

We can supply the complete set of hockey fence board, it includes HDPE (High density polyethylene) panel, steel frame, steel triangular support, handrail, screw. The installation of dasher board is easy and simple. Every piece is hand crafted by expert worker with the highest quality materials to ensure quality and durability, and comes with 5-year warranty. Now you can enjoy skating and playing hockey anywhere, anytime and of any size. No power, no water, no freezers or coolers or zamboni required.

Starting with our Dasher Boards, we build to your specifications or start your job using our specifications and customize them to your design. Our dasher board systems offer the widest range of optional features in the industry.

Abosn Series dasher boards are available with traditional steel frames or lighter weight aluminum frames for ease in seasonal installation and dismantling. All of our frames are fully-welded for strength and long lasting durability.

Ideal for either indoor or outdoor backyard rinks, arenas, commercial or residential projects.

Easily transported and assembled and stored in the off season. Can be used in outdoor or indoor applications.



● Hockey dasher board material option:

1. Galvanized steel tube + HDPE anti-UV sheet
2. Aluminum tube + HDPE anti-UV sheet

● Color Options:

- Option1: Blue Cap Rail, Red Kick Plate, White Facing  
 ColourOption2: Blue Cap Rail, Yellow Kick Plate, White Facing Boards  
 ColourOption3: Red Cap Rail, Yellow Kick Plate, White Facing Boards

● Specifications of HDPE synthetic ice rink dasher boards / plastic sheet with steel support structure

Standard sizes as follows:

- 610mm (L) x 1220mm(W) x (10-30mm)(T)=(2' x 4')
- 1220mm(L) x 1220mm(W) x (10-30mm)(T)=(4' x 4')
- 1220mm(L) x 2440mm(W) x (10-30mm)(T)=(4' x 8')
- 1000mm(L) x 1000mm(W) x (10-30mm)(T)
- 1500mm(L) x 1500mm(W) x (10-30mm)(T)
- 1000mm(L) x 3000mm(W) x (10-30mm)(T)



## Shooting pads



The Hockey shooting Pad is the largest on the market, and is great for working on puck control and shooting. Use the extra size to practice wide-angle toe-drags, double moves and whatever else you can think of to build your skills.

● **PRODUCT BENEFITS:**

- Perfect for both indoor and outdoor use on a smooth, flat surface.
- Brings the feeling of shooting, passing, and stick handling on real ice to train with at home.
- Simulates ice.
- Built-in easy carry handle.
- Use indoors or outdoors.
- Heavy duty surface made of all-plastic construction.
- Protects your flooring.
- Protects your expensive sticks!
- Eliminates tape marks on your floors or driveway.

● **Recommended sizes:**

Pro (30" x 60" x 3/16")  
 Intermediate (28" x 52" x 3/16")  
 Junior (24" x 48" x 1/8")

● **type of shooting pads:**

- 1> Flat surface with handle ---It's easy handle and stores away in seconds.
- 2> Flat surface with handle and passer system ---The rebound passer provides the largest stick handling and shooting surface in combination with hockey passing trainer. Our rebound belt length can be adjusted by the trainer according to their request. It will be easier to allow end customer to fit belt.

## SYNTHETIC ICE



We are professional plastic panels fabricated plant with special compound that provide gliding properties most similar to "real" ice. These panels represent a viable alternative to artificial ice-rinks, making ice-skating possible, almost anywhere, at any time and at an incredibly reasonable price.

Our synthetic ice rink synthetic was made from virgin grade polymer with special lubricant agent, it creates an ideal skating surface. The interlocking dovetail panel system significantly outperforms traditional square edge style panels and ensures a tight seal between panels.

The most advanced feature of Hockey Synthetic Ice is the self-lubricating agent we added. It makes your rink usable in all conditions with no need for wax or add-on liquids. With over 5 years of development behind it, Abosn Extreme Glide Synthetic Ice makes at-home training more practical, more affordable and way more realistic.

### ● APPLICATIONS

- Leisure time installations, sport parks and sport centres
- Home training installations: shooting zones, stick handling
- Ice-hockey, speed and figure skating, curling
- Shopping centres
- Sport shops
- Events, fairs, theatres, etc.
- Hotels
- Entertainment and holiday parks

### ● Standard Size :

- 2000\*1000\*(8-20) mm
- 1000\*1000\*(8-20) mm



# 5

## OTHER EXTRUDED PLASTIC PRODUCTS



## OTHER EXTRUDED PLASTIC PRODUCTS



Besides UHMWPE & HDPE sheets, we can produce other extruded plastic sheets as below:

### ● Polypropylene sheet :

It offers good toughness, chemical and corrosion resistance with no moisture absorption. Also offers a higher service temperature than other plastic materials, which has a harder durometer and is more resistant to stress cracking. It cannot be cemented but are easily welded with plastic welder. It is white-tan, translucent with working temps of 40°F - 210°F and a forming temp of 310°F - 325°F.

### ● Size Range:

Thickness: 1 - 30mm  
Width: 2500 mm max  
Any length and any color, according to customers' requests.

- > Easy to weld using thermoplastic welding equipment
  - > Low moisture absorption
  - > Good chemical resistance
- CHARACTERISTIC:**
- > Low cost
  - > Extremely tough
  - > Excellent aesthetic properties
  - > Easy to fabricate

### ● Application of PP Sheet:

Drinking water/ sewage line, seals spraying carrier, anti-corrosive tank/bucket, acid/alkali resistant industry, waste/exhaust emission equipment, washer, dust free room, semiconductor factory and other related industry equipment and machinery, food machine and cutting plank and electroplating process.

### ● Specification:

Items	Unit	Value
Density	g/cm <sup>3</sup>	0.93
Heat Change	%	W≤4; L≤4
Impact strength	KJ/m <sup>2</sup>	≥7
Weika softening point	°C	≥120
Tensile Strength	MPa	≥25
30%H <sub>2</sub> SO <sub>4</sub>	g/m <sup>2</sup>	-2.0 ~ +2.0
35%HCL	g/m <sup>2</sup>	-3.0 ~ +3.0
40%NaOH	g/m <sup>2</sup>	-2.0 ~ +2.0

### ● PVC RIGID SHEET

PVC Rigid Sheet is a high corrosion resistant polyvinyl chloride, it is widely used for high corrosion resistance application, such as chemical, advertising, printing, exhibition, building, etc., very popular in the international market.

### ● Applications:

1. Outdoor Flat Signs: paintable, screen printing, digital printing, laminated.
2. Construction material. Especial for the sandwich board making.
3. Display board.
4. Sandwich elements for parapets and door panels.
5. Cladding.
6. Shop-fitting.
7. Air-conditioning and ventilation systems.

### ● Features:

1. Easy to thermoform, bend and fabricate.
2. Excellent chemical resistance.
3. Perfect for chemical or corrosive environment.
4. Good fire rating - Self-extinguishing.
5. Glossy or matte surface.
6. Excellent electrical and thermal insulation.
7. High impact strength.
8. Weather resistant.
9. Low Moisture Absorption.

### ● Specifications:

Thickness: 0.6mm-30mm  
Width: 1.22m, 1.5m, etc  
Length: 2.44m, 3.05m, etc. (as to your requirement)  
Color: as required.  
We also can manufacture according to your requirements.



# ABOSN



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