

EMBRACE GREEN



POUI

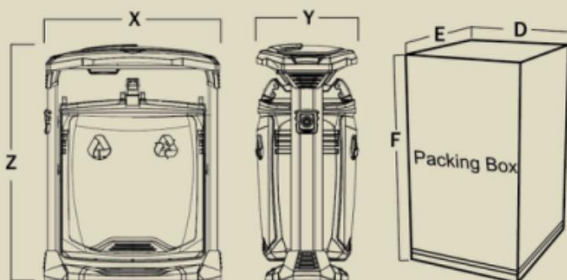


H - series



Protecting Our Universal Investment

TYPE : H-01A



TYPE	SIZE	COLOR		CUBAGE(liter)	
			Color combination A	Cubage type	Cubage
H-01A	X.789	Barrelhead		Recyclable	40 (L)
	Y.446		Champagne Gray	Other waste	40 (L)
	Z.1055	Bucket		Waste battery collection	3 (L)
	D.877		Champagne Gray	Ashtray	1 (L)
	E.477	Upright column		Total cubage	84 (L)
	F.1104		Black		
	Inner container				

The above color blocks are different from the real color of the products.



Protecting Our Universal Investment

TYPE: H-01C



V4 rating flame retardant



Anti-UV



Anti-aging



Corrosion Resistance



Reinforced plastic



Hot die Galvanneal Substrate



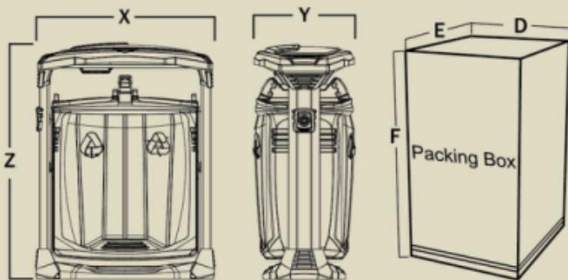
Electrostatic spraying



Mold stretched



Vacuum Thermal Insulating Coating



TYPE	SIZE	COLOR		CUBAGE(liter)	
			Color combination C	Cubage type	Cubage
H-01C	X. 789	Barrelhead	Teakwood Brown	Recyclable	40 (L)
	Y. 446		Teakwood Brown		
	Z. 1055	Bucket	Teakwood Brown	Other waste	40 (L)
	D. 877		Black		
	E. 477	Upright column	Black	Waste battery collection	3 (L)
	F. 1104	Inner container	Gray Glack	Ashtray	1 (L)
			Total cubage	84 (L)	

The above color blocks are different from the real color of the products.

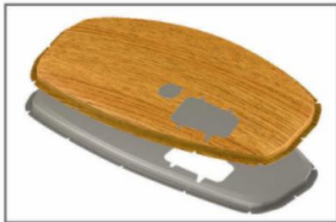
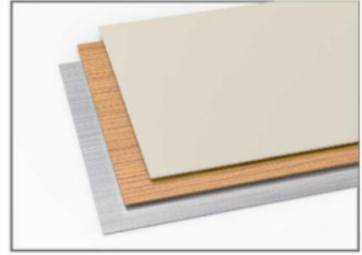


Protecting Our Universal Investment

public installation

- The main metal sheets are alternative for the cover and bin body :
1. Galvanized steel sheet (thickness over 0.8mm), processed by outdoor electrostatic spraying with molding powder. 2. PET steel sheet, the surface of which is vacuum coated (thickness over 0.8mm) 3. Brushed stainless steel sheet (thickness over 0.8mm).

The materials for upright column is used by galvanized steel sheet (thickness over 1.0mm)



- The upper cover enclosure is processed by the whole stretch molding technology, with higher strength than normal ones.



- The framework for the top cover is wholly injected from high-tensile, weathering resistant, and flame retardant engineering plastics (V0 degree) without any welding point, which can avoid the possibility of corrosion and rust.

- The body enclosure is processed by the whole stretch molding technology, with higher strength than normal ones.



- The framework of bin is wholly injected from high-tensile, weathering resistant, and flame retardant engineering plastics (V0 degree) without any welding point, which can avoid the possibility of corrosion and rust.



- Reflecting safe warning lights are designed to install on both sides of upper cover to alarm cars & pedestrians and prevent collision.



- The upper cover is designed with smoke extinguished plate and dropping inlet. The extinguished plate (thickness over 0.8mm) is processed by mirror stainless molding repression, under which is equipped by a pull-out and quick cleaning cigarette case. The ashtray is made by aluminum alloy with a capacity over 1 liter.



- The thermometer installed on the top of the upper cover can measure the temperature of the environment at any time.

- The main labels are made of engineering plastic, which are reflective and tridimensional. The text labels are anti UV, durable & lamination printed. Their color brightness can last for more than 3 years.



- The middle of bin body is designed with dropping inlet for used batteries.





● Rotating handle makes the bin easy to clean.



● After cleaning, the bucket can return automatically.



Carrying handles and garbage bag clips are coupled to the inner bucket, making it easy to clean and replace and keeping the border of the bucket clean.



Confined widening circumference along the border of the box avoids liquid waste flowing into the gap.

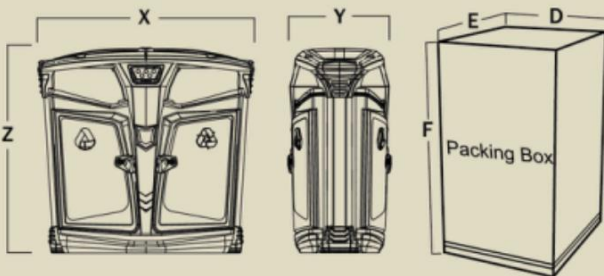
Protecting Our Universal Investment

- **Large Capacity**
Because of reasonable design and making the best of inside space of box, the capacity of the inner bucket can be up to 80 liters.
- **Anti - acid Corrosion**
The inner bucket is made from aging resistant and anti-acid corrosion engineering plastics. The performance of anti - acid corrosion is several times higher than ordinary ones, so corrosive liquids can not penetrate the inner barrel to keep the main box from being eroded.
- **Flame Retardant**
The inner bucket is made from V0 rating flame retardant engineering plastics, which can avoid itself being burnt when meeting fire.(except the spread of fire) .



TYPE: H-02A

- V0 rating flame retardant
- Anti-UV
- Anti-aging
- Corrosion Resistance
- Reinforced plastic
- Hot-dip Galvanized Substrate
- Electrostatic spraying
- Mould resistant



TYPE	SIZE	COLOR		CUBAGE(liter)	
			Color combination A	Cubage type	Cubage
H-02A	X. 1104	Barrelhead	Champagne Gray	Recyclable	50 (L)
	Y. 528				
	Z. 1047	Bucket	Dark Gray	Other waste	50 (L)
	D. 1170				
	E. 550	Upright column	Gray Black	Bullt collection	3 (L)
	F. 1085				
	Inner container	Black	Waste battery collection	3 (L)	
			Total cubage	106 (L)	

The above color blocks are different from the real color of the products.



TYPE : H-02C



Vd rating flame retardant



Anti-UV



Anti-aging



Corrosion Resistance



Reinforced plastic



Hot dip Galvanized Substrate



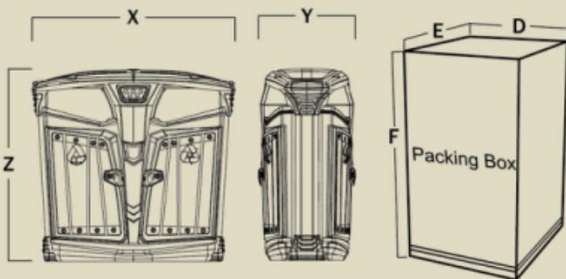
Electrostatic spraying



Mold checked



Vacuum Thermal Transferring Printing

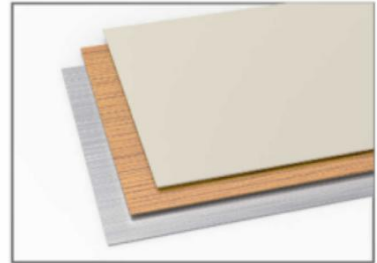


TYPE	SIZE	COLOR		CUBAGE(liter)	
			Color combination C	Cubage type	Cubage
H-02C	X.1104	Barrelhead	Teakwood Brown	Recyclable	50 (L)
	Y.528			Other waste	
	Z.1047	Bucket	Dark Gray	Built collection	3 (L)
	D.1170			Waste battery collection	
	E.550	Upright column	Gray Black	Total cubage	106 (L)
	F.1085			Inner container	

The above color blocks are different from the real color of the products.

- The main metal sheets are alternative for the cover and bin body:
1. Galvanized steel sheet (thickness over 0.8mm), processed by outdoor electrostatic spraying with molding powder.
 2. PET steel sheet, the surface of which is vacuum coated (thickness over 0.8mm)
 3. Brushed stainless steel sheet (thickness over 0.8mm).

The materials for upright column is used by galvanized steel sheet (thickness over 1.0mm)



- The upper cover enclosure and the door for inner bucket are processed by the whole stretch molding technology, with higher strength than normal ones.



- The framework for the top cover is wholly injected from high-tensile, weathering resistant, and flame retardant engineering plastics (V0 degree) without any welding point, which can avoid the possibility of corrosion and rust.

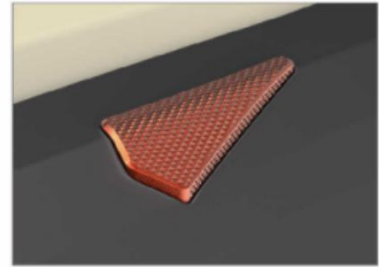
- The body enclosure is processed by the whole stretch molding technology, with higher strength than normal ones.



- The framework of bin is wholly injected from high-tensile, weathering resistant, and flame retardant engineering plastics (V0 degree) without any welding point, which can avoid the possibility of corrosion and rust.



- Reflecting safe warning lights are designed to install on both sides of upper cover to alarm cars & pedestrians and prevent collision.



- The upper cover is designed with smoke extinguished plate and dropping inlet. The extinguished plate (thickness over 0.8mm) is processed by mirror stainless molding repression, under which is equipped with a pull-out and quick cleaning cigarette case. The ashtray is made by aluminum alloy with a capacity over 1 liter.



- The thermometer installed on the top of the upper cover can measure the temperature of the environment at any time.

- The main labels are made of engineering plastic, which are reflective and tridimensional. The text labels are anti UV, durable & lamination printed. Their color brightness can last for more than 3 years.



- The middle of bin body is designed with dropping inlet for used batteries.





- Convenient for cleaning
- The bin will return automatically after cleaning



Carrying handles and garbage bag clips are coupled to the inner bucket, making it easy to clean and replace and keeping the border of the bucket clean.

Protecting Our Universal Investment

- **Large Capacity**
Because of reasonable design and making the best of inside space of box, the capacity of the inner bucket can be up to 100 liters.
- **Anti - acid Corrosion**
The inner bucket is made from aging resistant and anti-acid corrosion engineering plastics. The performance of anti - acid corrosion is several times higher than ordinary ones, so corrosive liquids can not penetrate the inner barrel to keep the main box from being eroded.
- **Flame Retardant**
The inner bucket is made from V0 rating flame retardant engineering plastics, which can avoid itself being burnt when meeting fire.(except the spread of fire).



TYPE: H-03A01



V3 rating flame retardant



Anti-UV



Anti-aging



Corrosion Resistance



Reinforced plastic



Hot-dip Galvanized Substrates



Electrostatic spraying



Mould stretched



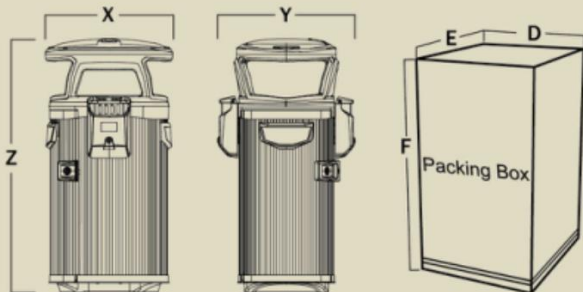
Electrophoresis



Aluminium alloy sections



Anodizing treatment



TYPE	SIZE	COLOR		CUBAGE(liter)	
			Colour combination A	Cubage type	Cubage
H-03A01	X. 600	Barrelhead	Champagne Gray	Inner container	60 (L)
	Y. 560				
	Z. 1118	Dropping inlet	Orange	Built collection	1 (L)
	D. 610				
	E. 510	Bucket	Steel-blue	Waste battery collection	1 (L)
	F. 1160	Inner container	Black	Total cubage	62 (L)
	Ashtray		Gray Black		

The above color blocks are different from the real color of the products.

- The main substrate for the box is processed by high-strength aluminum alloy extrusion molding with thickness over 1.2 mm. The processing methods for the surface are alternative by anodic oxidation, vacuum electrophoresis, Vacuum heat transfer printing wood grain. Bump ribs exist on the surface of box, to prevent the deformation of the casing pressure.



- The upper cover is processed by the whole stretch molding technology, with higher strength than normal ones. The main metal sheets are alternative for the cover : 1. Galvanized steel sheet (thickness over 0.8mm), processed by outdoor electrostatic spraying with molding powder. 2. PET steel sheet, the surface of which is vacuum coated (thickness over 0.8mm) . Top cover is wholly injected from high-tensile, weathering resistant, and flame retardant engineering plastics (V0 degree) without any welding point, which can avoid the possibility of corrosion and rust.



- The thermometer installed on the top of the upper cover can measure the temperature of the environment at any time.

- Reflecting safe warning lights are designed to install on both sides of upper cover to alarm cars & pedestrians and prevent collision.



- The main labels are made of engineering plastic, which are reflective and tridimensional. The text labels are anti UV, durable & lamination printed. Their color brightness can last for more than 3 years.





- Convenient for cleaning.
- The bin will return automatically after cleaning.

Protecting Our Universal Investment

● **Large Capacity**

Because of reasonable design and making the best of inside space of box, the capacity of the inner bucket can be up to 60 liters.

● **Anti - acid Corrosion**

The inner bucket is made from aging resistant and anti-acid corrosion engineering plastics. The performance of anti - acid corrosion is several times higher than ordinary ones, so corrosive liquids can not penetrate the inner barrel to keep the main box from being eroded.

● **Flame Retardant**

The inner bucket is made from V0 rating flame retardant engineering plastics, which can avoid itself being burnt when meeting fire.(except the spread of fire).



- Carrying handles and garbage bag clips are coupled to the inner bucket, making it easy to clean and replace and keeping the border of the bucket clean.

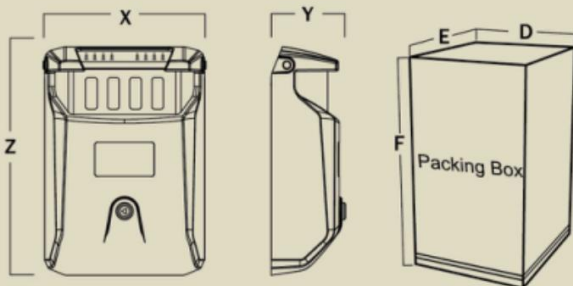


TYPE : H-03Z01



TYPE : H-03Z02

Protecting Our Universal Investment



TYPE	SIZE	COLOR		CUBAGE(liter)	
				Cubage type	Cubage
H-03Z01	X. 190	Enclosure	Gray Black	Inner container	1 (L)
	Y. 90				
H-03Z02	Z. 270	Dropping inlet	Mirror Stainless Steel		
	D. 475	Inner container	Galvanized Iron		
	E. 330				
	F. 615				

The above color blocks are different from the real color of the products.

CUSTOM COMBINATIONS

TYPE	H-03A01	H-03A02	H-03Z01	H-03Z02	H-03B	H-03C01	H-03C02	H-03E01	H-03E02	H-03F01	H-03F02																																																																																																										
PATTERN																																																																																																																					
COLOR	Top Cover Bin Body Ratic Exhaust Bucket Inner Bucket Cigarette-ends Extinguished Plate Battery Inlet	Top Cover Bin Body Ratic Exhaust Bucket Inner Bucket Cigarette-ends Extinguished Plate Battery Inlet	Top Cover Bin Body Ratic Exhaust Bucket Inner Bucket Cigarette-ends Extinguished Plate Battery Inlet	Top Cover Bin Body Ratic Exhaust Bucket Inner Bucket Cigarette-ends Extinguished Plate Battery Inlet	Top Cover Bin Body Ratic Exhaust Bucket Inner Bucket Cigarette-ends Extinguished Plate Battery Inlet	Top Cover Bin Body Ratic Exhaust Bucket Inner Bucket Cigarette-ends Extinguished Plate Battery Inlet	Top Cover Bin Body Ratic Exhaust Bucket Inner Bucket Cigarette-ends Extinguished Plate Battery Inlet	Top Cover Bin Body Ratic Exhaust Bucket Inner Bucket Cigarette-ends Extinguished Plate Battery Inlet	Top Cover Bin Body Ratic Exhaust Bucket Inner Bucket Cigarette-ends Extinguished Plate Battery Inlet	Top Cover Bin Body Ratic Exhaust Bucket Inner Bucket Cigarette-ends Extinguished Plate Battery Inlet	Top Cover Bin Body Ratic Exhaust Bucket Inner Bucket Cigarette-ends Extinguished Plate Battery Inlet	Top Cover Bin Body Ratic Exhaust Bucket Inner Bucket Cigarette-ends Extinguished Plate Battery Inlet																																																																																																									
DROPPING TYPE/ COLOR	General Waste	General Waste	Cigarette-ends Extinguished Plate Battery Inlet	Cigarette-ends Extinguished Plate Battery Inlet	Telecom Waste	Recycling Waste Other Waste	Paper Recycling Bottles Recycling Cigarette-ends Extinguished Plate	Paper Recycling Bottles Recycling Cigarette-ends Extinguished Plate	Paper Recycling Bottles Recycling Cigarette-ends Extinguished Plate	Paper Recycling Bottles Recycling Cigarette-ends Extinguished Plate	Paper Recycling Bottles Recycling Cigarette-ends Extinguished Plate																																																																																																										
VOLUME SIZE	L:560mm X W:605mm X H:1120mm	L:560mm X W:605mm X H:1120mm	L:190mm X W:90mm X H:270mm	L:190mm X W:90mm X H:270mm	L:560mm X W:605mm X H:1120mm	L:560mm X W:1065mm X H:1120mm	L:560mm X W:1065mm X H:1120mm	L:560mm X W:1525mm X H:1120mm	L:560mm X W:1525mm X H:1120mm	L:560mm X W:3965mm X H:1120mm	L:560mm X W:3965mm X H:1120mm																																																																																																										
PACKAGE SIZE	L:610mm X W:510mm X H:1160mm		L:615mm X W:475mm X H:330mm (8PCS)		L:610mm X W:510mm X H:1160mm		L:610mm X W:510mm X H:1160mm X2		L:610mm X W:510mm X H:1160mm X3		L:610mm X W:510mm X H:1160mm X7																																																																																																										
CAPACITY	<table border="1"> <tr><td>Inner Bucket</td><td>60L</td></tr> <tr><td>Ashtray</td><td>1L</td></tr> <tr><td>Battery Box</td><td>1L</td></tr> <tr><td>Total Capacity</td><td>62L</td></tr> </table>	Inner Bucket	60L	Ashtray	1L	Battery Box	1L	Total Capacity	62L	<table border="1"> <tr><td>Inner Bucket</td><td>60L</td></tr> <tr><td>Ashtray</td><td>1L</td></tr> <tr><td>Battery Box</td><td>1L</td></tr> <tr><td>Total Capacity</td><td>62L</td></tr> </table>	Inner Bucket	60L	Ashtray	1L	Battery Box	1L	Total Capacity	62L	<table border="1"> <tr><td>Inner Bucket</td><td>60L</td></tr> <tr><td>Ashtray</td><td>1L</td></tr> <tr><td>Battery Box</td><td>1L</td></tr> <tr><td>Total Capacity</td><td>62L</td></tr> </table>	Inner Bucket	60L	Ashtray	1L	Battery Box	1L	Total Capacity	62L	<table border="1"> <tr><td>Inner Bucket</td><td>60L</td></tr> <tr><td>Ashtray</td><td>1L</td></tr> <tr><td>Battery Box</td><td>1L</td></tr> <tr><td>Total Capacity</td><td>62L</td></tr> </table>	Inner Bucket	60L	Ashtray	1L	Battery Box	1L	Total Capacity	62L	<table border="1"> <tr><td>Inner Bucket</td><td>60L</td></tr> <tr><td>Ashtray</td><td>1L</td></tr> <tr><td>Battery Box</td><td>1L</td></tr> <tr><td>Total Capacity</td><td>62L</td></tr> </table>	Inner Bucket	60L	Ashtray	1L	Battery Box	1L	Total Capacity	62L	<table border="1"> <tr><td>Inner Bucket</td><td>60L</td></tr> <tr><td>Ashtray</td><td>1L</td></tr> <tr><td>Battery Box</td><td>1L</td></tr> <tr><td>Total Capacity</td><td>62L</td></tr> </table>	Inner Bucket	60L	Ashtray	1L	Battery Box	1L	Total Capacity	62L	<table border="1"> <tr><td>Inner Bucket</td><td>60L</td></tr> <tr><td>Ashtray</td><td>1L</td></tr> <tr><td>Battery Box</td><td>1L</td></tr> <tr><td>Total Capacity</td><td>62L</td></tr> </table>	Inner Bucket	60L	Ashtray	1L	Battery Box	1L	Total Capacity	62L	<table border="1"> <tr><td>Inner Bucket</td><td>60L</td></tr> <tr><td>Ashtray</td><td>1L</td></tr> <tr><td>Battery Box</td><td>1L</td></tr> <tr><td>Total Capacity</td><td>62L</td></tr> </table>	Inner Bucket	60L	Ashtray	1L	Battery Box	1L	Total Capacity	62L	<table border="1"> <tr><td>Inner Bucket</td><td>60L</td></tr> <tr><td>Ashtray</td><td>1L</td></tr> <tr><td>Battery Box</td><td>1L</td></tr> <tr><td>Total Capacity</td><td>62L</td></tr> </table>	Inner Bucket	60L	Ashtray	1L	Battery Box	1L	Total Capacity	62L	<table border="1"> <tr><td>Inner Bucket</td><td>60L</td></tr> <tr><td>Ashtray</td><td>1L</td></tr> <tr><td>Battery Box</td><td>1L</td></tr> <tr><td>Total Capacity</td><td>62L</td></tr> </table>	Inner Bucket	60L	Ashtray	1L	Battery Box	1L	Total Capacity	62L	<table border="1"> <tr><td>Inner Bucket</td><td>60L</td></tr> <tr><td>Ashtray</td><td>1L</td></tr> <tr><td>Battery Box</td><td>1L</td></tr> <tr><td>Total Capacity</td><td>62L</td></tr> </table>	Inner Bucket	60L	Ashtray	1L	Battery Box	1L	Total Capacity	62L	<table border="1"> <tr><td>Inner Bucket</td><td>60L</td></tr> <tr><td>Ashtray</td><td>1L</td></tr> <tr><td>Battery Box</td><td>1L</td></tr> <tr><td>Total Capacity</td><td>62L</td></tr> </table>	Inner Bucket	60L	Ashtray	1L	Battery Box	1L	Total Capacity	62L	<table border="1"> <tr><td>Inner Bucket</td><td>60L</td></tr> <tr><td>Ashtray</td><td>1L</td></tr> <tr><td>Battery Box</td><td>1L</td></tr> <tr><td>Total Capacity</td><td>62L</td></tr> </table>	Inner Bucket	60L	Ashtray	1L	Battery Box	1L	Total Capacity	62L
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RECOM-MENDED SITES	road, street, scenic spot...		can be combined with H-03 A, B, C, E, F, can be used alone, also can be installed on the wall and the lampost.		Telecom Business		road, street, scenic spot...		shopping street, shopping mall, scenic spot...		community, school, company, factory...																																																																																																										

Generic Term

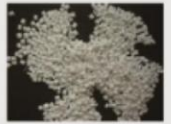


V-0 RATING FLAME
RETARDANT

Anti-flammability rating that object or material after treating has the property of delaying the spread of flame can be divided into graded system.

Plastic anti-flammability rating is increased from HB, V-2, V-1 to V-0:

- 1- HB: It is the lowest level of flame retardant in UL94 standard. The combustion speed of samples (thickness from 3mm to 13mm) is less than 40 mm per minute, and the combustion speed of samples (thickness below 3mm) is less than 70 mm per minute or extinguished before the 100 mm.
- 2- V-2: The flame should be extinguished within 60 seconds after fire test of samples twice for 10 seconds. Combustion products can fall.
- 3- V-1: The flame should be extinguished within 60 seconds after fire test of samples twice for 10 seconds. Combustion fall is not allowed.
- 4- V-0: The flame extinguished within 30 seconds after fire test of samples twice for 10 seconds. Combustion fall is not allowed.



ANTI-UV

UV is abbreviation of ultraviolet rays, and English name is ultraviolet with wavelength of 10-400nm.

Inside, UVA wavelength is from 320 to 390 nm, called as Long wave blackspot effect ultraviolet rays. With a strong penetration, it can penetrate the most transparent glass and plastic.

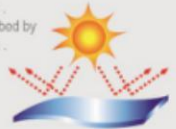
UVB wavelength is from 280 to 320 nm, called as medium wave spilopaxia effect ultraviolet rays with medium degree of penetration. The shorter part of its wavelength would be absorbed by transparent glass and medium wave ultraviolet rays in sunlight is absorbed by ozone layer. Less than 2% can reach the surface of the earth, particularly strong in the summer afternoon.

UVC wave length is below 280 nm, called as short wave sterilized ultraviolet rays. It is weakest penetration, unable to penetrate the transparent glass and plastic parts.

UVD, wavelength is 100-200 nm, also called as vacuum ultraviolet rays.

UVV wavelength is above 390nm.

The plastic raw material and coating power of such series of product are added anti by UV master batch, enhancing anti-UV ability of product, and product will not fade in the open air for three years.



ANTI-AGING

Aging refers to the phenomenon of the polymer material's performance is gradually deteriorated and consequently loses its value due to the combined effect of the internal and external factors in the process of storage and using. Aging is an irreversible change and it is a common problem of the polymer material. The synthetic materials used on the products are added with antioxidant in the processing of their machining. For example, they are added with antioxidants which prevent aging caused by oxygen or ozone caused, UV stabilizers, heat stabilizers, preservatives, etc. That can make the products maintain the same performance more than three years in the anti-aging properties.



CORROSION
RESISTANCE

Corrosion refers to material's damage or deterioration due to environmental effects or acid-base solution; Corrosion resistance: the ability of the material to resist corrosion damaging effects of the surrounding medium. Since the product line are widely made of engineering plastics and the surface is covered with corrosion-resistant coating while not metal welding, the corrosion resistance of the products rises by multiple count than conventional processes, insuring 10 years' avoiding from corrosion damage.



REINFORCED
PLASTIC

Reinforced plastic is one kind of import polymer composite materials. It is divided into two categories, reinforced thermoset and thermoplasticity. Polyamide, fluororesin, polycarbonate, Polysulfone, acrylic resin (acrylic acid or methacrylic acid and the other ester polymer), polyformaldehyde, ABS resin, polythene, polypropylene are used.

Reinforced plastic contains metal material, non-metal material and polymers which are dominated by fibrous material.

The frequently reinforced fiber is used by glass fiber, carbon fiber, asbestos fiber, boron fiber and aromatic polyamide fiber. Reinforced material has high strength and modulus. Resin has inherent and fine physics, chemistry (anti-corrosion, insulation, anti-light, anti-instant high temperature erosion and so on) and technical properties. After resin and reinforced material composited, they can reinforce mechanical performance, fasten and transfer the load.



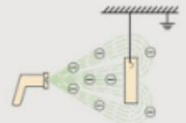
MOULD
STRETCHED

Mould stretched: The metal material deformation zone is under the stress of pull a pressure, making the plate (shallow hollow ingot) formed deep hollow parts, but keep the thickness. After stretched metal material, it will reinforced the strength, meanwhile it can make the appearance more beautiful. But the general welding will not.



ELECTROSTATIC
SPRAYING

Electrostatic spraying is a treatment method that plastic powder is coated on the surface of the part. It charges the plastic powder by electrostatic generator, adsorbed on the surface of the iron plate, and then the powder melt and adhere on the metal surface after baking of 180 to 220 °C. Electrostatic spraying advantages: no thinner, no environmental pollution during construction, non-toxic to the human body, coating appearance of excellent quality, strong adhesion and mechanical strength, spray curing time is short, coating corrosion and abrasion resistant capacity is much higher, the common flowing in the painting process does not appear in electrostatic powder spraying process.



HOT-DIP GALVANIZED
SUBSTRATES

Galvanization is the process of submerging clean metal materials or parts into molten liquid zinc to form a layer of zinc on the surface, through physical and chemical reaction on the interface. Submerge the derusted steel parts into molten liquid zinc around 500 °C and adhere zinc layer on the surface to reach the corrosion performance. Hot-dip galvanized layer is usually over 35µm, even up to 200µm. Galvanization is with good covering power, compact layer, no organic inclusions. As well known, the weather-resistant mechanism of zinc has mechanical and electrochemical protection, under weather resistance there are ZnO, Zn(OH)2 and zinc carbonate protective film on the zinc layer surface, which slows down the zinc corrosion to a certain extent, this protective film (also called white rust) is damaged and formed new film. When the zinc layer is seriously damaged and endangers the iron substrate, zinc will have electrochemical protection to substrate, the standard electric potential of zinc is -0.76V and iron is -0.44V, when zinc and iron form microcell, zinc is dissolved as anode and iron is protected as cathode. All our steel substrates have been pretreated with the process of galvanization.



STAINLESS
STEEL

Stainless steel wire drawing is one kind of metal processing technique, and is the most popular surface treatment technology for stainless steel & aluminum products. Wire drawing treatment is one kind of decorative surface processing methods which form the lines by grinding the surface of the work. Due to the texture of metallic materials reflected by wire drawing, it can be divided into straight lines, snowflake grain and nylon lines.



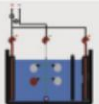
ALUMINIUM ALLOY
SECTIONS

Aluminium alloy is alloy with aluminium as matrix element, also add one or more alloying elements. Aluminium alloy with low density, but with high intensity, close to or exceed high quality steel, good deformability, it can be processed to different kinds of sections, also with excellent electrical conductivity, thermal conductivity and corrosion resistance, widely used in industry, application amount is next to steel. Aluminium alloy profile is aluminium alloy raw material is extruded forming via mold in high temperature and high pressure.



ANODIZING
TREATMENT

Anodizing treatment is a kind of surface treatment of metals, it form oxidation film on the surface of metal material in electrolyte solution by external applied anodic current, and is one kind of material protection technology. Anodizing also known as surface anodic oxidation. The materials after anodizing have the great advantages on corrosion resistant, hardness, abrasive resistance, insulation resistance and heat resistance.



ELECTROPHORESIS

Electrophoresis is one of dissolved substances that the charged coating ion of electrophoretic coating moves to the cathode and works with the alkaline substances generated on the surface of the cathode. The electrophoretic coating has plump, uniform, smooth and flat characteristics. The electrophoresis whose strength, cohesive affinity, corrosion resistance, impact resistance and permeability is obviously stronger than other coating technology. All aluminum of our products uses such electrophoretic processing.



About POUI

POUI is an environmentally based company located in Trinidad and Tobago that specializes in the recycling of Polyethylene Terephthalate Plastic (PET plastic). Pioneers in this venture, we at POUI intend to bring about change in the minds of citizens concerning the conservation of our natural resources and an awareness of our environment. We are determined to live up to the full meaning of our name POUI (Protecting Our Universal Investment).

Mission Statement

“POUI is committed to protecting our universal investment by applying knowledge products and technology in the preservation of our environment. We will engender a culture of respect and awareness of the environment and appropriate waste disposal and recycling techniques, and also to provide recycling facilities.”

Your #1 waste bin solution in the Caribbean.

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