



Introduction





Models (HxB):

60x100; 60x150; 60x200; 60x300; 100x200; 100x300; 100x400; 100x600. Types: Slotted or solid bottom. Finishes: PVCM1 UV RAL 7035

Characteristics of the tray:

- Non metallic system
- Resistant to UV radiation. Excellent behaviour in outdoor installation.
- Impact Strength: 20J, except 60x100 with 10J
- Minimum temperature: -4 °F
- Maximum temperature: 140 °F
- Non-flame propagating component
- Without electrical continuity
- Electrical insulating component
- Dielectric Strength 18 +/- 2 kV/mm
- Hight protection inside and outside against corrosive substances
- M1 reaction to fire acc. to UNE 23727
- Glow wire test degree 1760 °F, EN 60695-2-11
- Flammability UL 94-VO, ANSI/UL 94-1995
- Limiting Oxigen Index LOI>50%, EN ISO 4589
- Comply with RoHS directive, 2002/95/CE
- Raw material without silicone

INSTRUCTIONS FOR USE

- For the assembly, two union joints and four M8 Bolt sets are needed for each stretch (8 for H100 models).
- Tray installation for electrical systems To assure good performance should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays

keeping a minimum distance of 250 mm between each tray.

- Suitable for wet, salty and chemical agresive enviroments.
- under expansions, the increase in temperature must be noted, between the installation and the maximum temperature expected. Depending on the expected growth

in the temperature (ΔT) leave a gap (h) between cable trays according to the following table:

ΔT (°F)	h (mm)
68	5
86	7
104	9
122	11

	Safe Working Load - kg/m (lb/ft)												
MODEL	2,4m (8ft)	1,8m (8ft)	1,5m (5ft)										
BPE-60X100	9,7 (6,5)	17,3 (11,6)	25 (16,7)										
BPE-60X150	9,9 (6,6)	17,6 (11,8)	25,3 (17)										
BPE-60X200	28,1 (18,8)	49,9 (33,5)	71,9 (48,3)										
BPE-60X300	55,2 (37)	98,1 (65,9)	141,3 (94,9)										
BPE-100X200	69,6 (46,7)	123,7 (83,1)	178,2 (119,7)										
BPE-100X300	107,2 (72)	190,5 (128)	274,4 (184,4)										
BPE-100X400	178 (119,6)	316,4 (212,6)	455,6 (306,2)										
BPE-100X600	219,7 (147,6)	390,5 (262,4)	562,4 (377,9)										

Safe Working Load - kg/m (lb/ft)												
MODEL	2,4m (8ft)	1,8m (8ft)	1,5m (5ft)									
BPE-60X100	6,9 (4,6)	12,3 (8,3)	17,8 (11,9)									
BPE-60X150	7 (4,7)	12,5 (8,5)	18 (12,1)									
BPE-60X200	20 (13,4)	35,6 (23,9)	51,3 (34,5)									
BPE-60X300	39,4 (26,4)	70 (47)	100,8 (67,7)									
BPE-100X200	49,7 (33,4)	88,3 (59,3)	127,2 (85,5)									
BPE-100X300	76,5 (51,4)	136 (91,4)	195,9 (131,6)									
BPE-100X400	127 (85,3)	225,9 (151,8)	325,3 (218,6)									
BPE-100X600	156,8 (105,3)	278,8 (187,3)	401,5 (269,8)									

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Water Treatment



that makes water more acceptable for a specific end-use. The end use may be drinking, industrial water supply, irrigation, river flow maintenance, water recreation or many other uses, including being safely returned to the environment. These kind of works with a lot of humidity need materials such as PVC to avoid corrosion and guarantee a long life of the installation.



Pumping stations: Pumping stations are facilities including pumps and equipment for pumping fluids from one place to another. They are used for a variety of infrastructure systems, such as the supply of water to canals, the drainage of low-lying land. A pumping station needs to be installed with non metal trays due to the high humidity of

4 | USES FOR BASORPLAST | 5

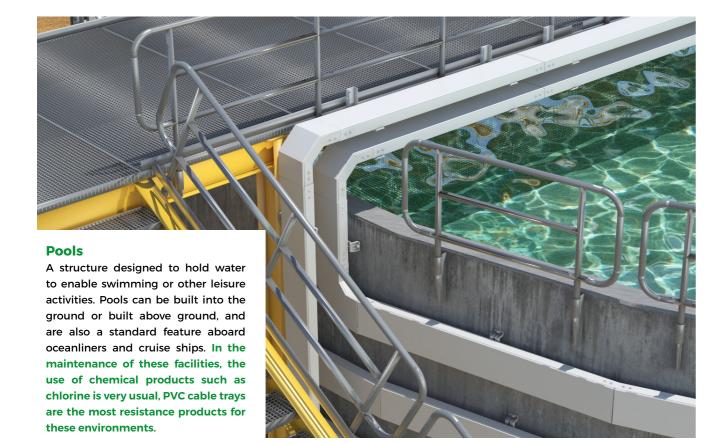
these areas.

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Wastewater treatment

Is a process used to convert water no longer needed or suitable for its most recent use - into an effluent that can be either returned to the water cycle with minimal environmental issues or reused. Treatment means removing impurities from water being treated and this process generates gases. These gases are corrosive and can affect metals, PVC cable trays are the most efficient solution for these environments due to it's high resistance to corrosion.





Mining



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Chemical Industry



he chemical industry comprises the companies that produce industrial chemicals. Central to the modern world economy, it converts raw materials (oil, natural gas, air, water, metals, and minerals) into more than 70,000 different products through chemical processes. These chemical environments produce very aggressive atmospheres that highly affect metals. The PVC cable trays are perfect choice due to its high resistance against these aggressive atmosphere.



The pharmaceutical

The pharmaceutical industry discovers, develops, produces, and markets drugs or pharmaceutical drugs for use acids components.



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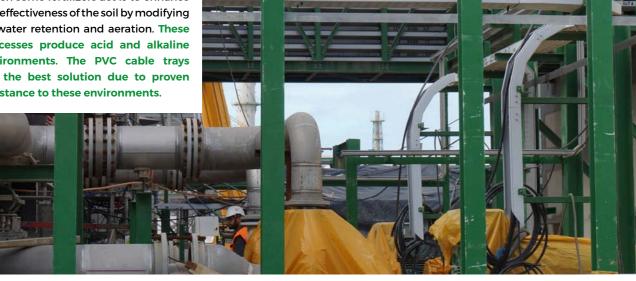


The pulp and paper industry

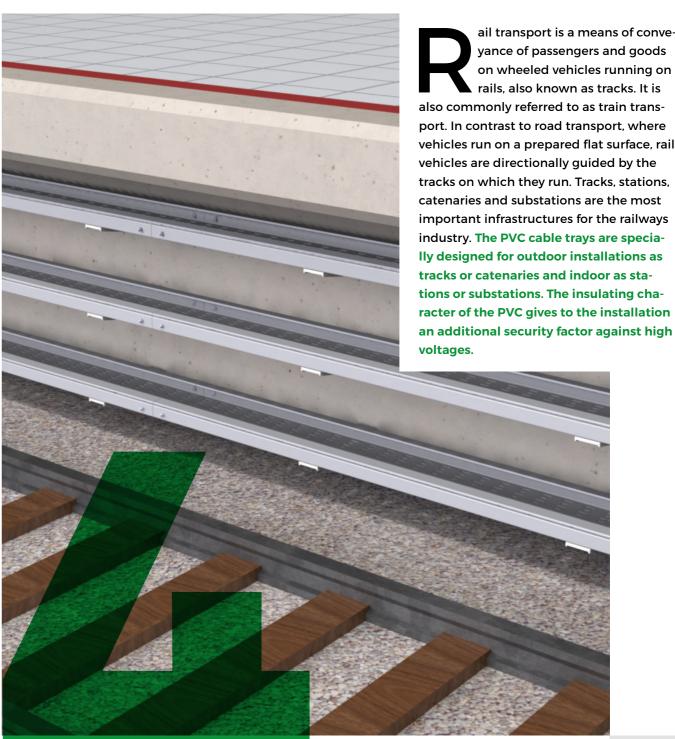
Comprises companies that use wood as raw material and produce pulp, paper, board and other cellulose-based products. The papermaking process has a low environmental impact, while the paper is not bleached. Bleaching requires the use of hydrogen peroxide, or chlorine dioxide, two highly polluting and aggressive substances. The PVC cable trays are specially designed and formulated to respond to these environments with hardness and durability.

A fertilizer

A fertilizer is any material of natural or synthetic origin that is applied to soils or to plant tissues to supply one or more plant nutrients essential to the growth of plants. This goal is met in two ways, the traditional one being additives that provide nutrients. The second mode by which some fertilizers act is to enhance the effectiveness of the soil by modifying its water retention and aeration. These processes produce acid and alkaline environments. The PVC cable trays are the best solution due to proven resistance to these environments.



Railways infrastructure



Solar installations

■ he solar energy is the energy obtained by the light and heat catchment made by the sun. These installations transform the solar radiation into Electrical energy through photovoltaic panels, making possible the accumulation into batteries. All these installations are outdoor, where the inclement weather affect directly. The PVC cable trays are specially designed to be installed in outdoor environments, having an excellent resistance to the rain and humidity without any kind of oxidation.



Rooftop

A rooftop photovoltaic power station, is a photovoltaic system that installation due to their versatibility.



Solar Farm

A Solar Farm is a photovoltaic power station, with a large-scale photovoltaic system designed for the supply of merchant power into the electricity grid. They are differentiated from most building-mounted and other decentralised solar power applications because they supply power at the utility level, rather than to a local user or users. The PVC cable trays are the fastest and practical form to manage the cable installation due the easier to construct the way to the solar panels.



LIST

Sea and ports infrastructure



Harbour crane

Is a type of machine, generally equipped with a hoist rope, wire ropes or chains, and sheaves, that can be used both to lift and lower materials and to move them horizontally. It is mainly used for lifting heavy things and transporting them to other places. Cranes are commonly corroded by salty winds. The PVC cable trays are the best solution against the oxidation produced by these winds.



Dam barrier

is a barrier that impounds water or underground streams. Reservoirs created by dams not only suppress floods but also provide water for activities such as irrigation, human consumption, industrial use, aquaculture, and navigability. Hydropower is often used in conjunction with dams to generate electricity. Dams are subjected to very humid and salt windy areas, the PVC cable trays are not altered and are the best solution for these works.

Dock

A dock is either the area of water between or next to a human-made structure or group of structures involved in the handling of boats or ships, usually on or close to a shore, or the structures themselves. Docks are subject to high humidity. PVC cable trays are not altered by the harmful effects of these environments.



Boarding Bridge

Is a platform used to the entry the passengers onto a watercraft that can be located in harbour or at sea. Boarding starts with entering of the first passenger and ends with the seating of each passenger and closure of the doors. Boarding bridges are located at very humid areas. The PVC cable trays are not corroded by it being the best solution for the cable management.

Machine Building







Machinery with water in process, the means of production for businesses in the agriculture, mining, industry and construction. The means of production for public utility, such as equipment for the production and distribution of gas, electricity and water. A range of supporting equipment for all sectors of the economy, such as equipment for heating, ventilation, and air conditioning of buildings

The production of the machinery industry varies widely from single-unit production and series production to mass production. From a certain stage in the production, the specific customer requirements are build in, and the unique product is created. The processes of the machinery generate humidity environments, The PVC cable trays are the best solution because the water effects do not have any impact into the products.

Shore and cost infraestructures



fringe of land at the edge of a large body of water, such as an ocean, sea, or lake. In physical oceanography, a shore is the wider fringe that is geologically modified by the action of the body of water past and present, while the beach is at the edge of the shore, representing the intertidal zone where there is one. These kind of areas suffer the effect of the salty winds. PVC cable trays are not altered by the oxidation that the salt produces in metals. For this reason, it is the best option to be installed at sea fronts.







HOTEL

A hotel is an establishment that provides lodging paid on a short-term basis. Facilities provided may range from a modest-quality mattress in a small room to large suites. The hotels located at beach areas or near from the sea, are affected directly by the humid and the salty winds every day. The PVC cable trays are specially designed to not be affected by these environments, being the best option for this kind of installation.

TERTIARY BUILDING

A commercial or tertiary building is a building that is used for commercial use. Types can include office buildings, warehouses, or retail. In beach locations, a commercial building often combines functions, such as an apartments on levels 2-10, with retail on floor 1. The buildings located at beach areas or near from the sea, are affected directly by the humid and the salty winds every day. The PVC cable trays are specially designed to not be affected by these situation, being the best option for this kind of installation.

Metal Chemical Industry











Take a break and write notes...



Products that the pvc tray can replace



Main Advantages:

Excellent corrosion behavior for chemical and saline environment

Electrical safety: Insulating material, earthing not required. Specially important in installations in areas where there are access for people. In a metal tray with a bad grounding, or conicide in the middle of 2 crossbeams, is potentially dangerous if it is touched. Due the pvc trays are insulating, these situations are not danger, even if there are a bare wire inside, the tray remains secure if you touch it.

Avoids creepage, hot spots and electrical arcs.

Good performance outdoors and to corrosion, over 40 years experience in outdoor installations.

No maintenance.

	ADVANTAGES	DISADVANTAGES
	Best price	
	Equal or better chemical behavior	Lowest admissible working load
FiberGlass Cable Tray, Cable Ladder	Self extinguising	
	Recyclable	Greater limitation of working temperatures
	Weithg Product for comfort installation.	temperatures
	Major Electrical Safety of the installation, does not have electrical continuity	Lowest admissible working load
Stainless Steel Cable Tray, Cable Ladder	Cost efficient	
	Facing SS304 better performance in saline environment	Greater limitation of working temperatures
	Major Electrical Safety of the installation, does not have electrical continuity	Lowest admissible working load
Aluminium Cable Tray and Cable Ladder	Cost efficient	
	Best corrosion behavior for aluminum (NO Anodized, 100% welding cable ladders)	Greater limitation of working temperatures















60°C -15°C UNE-EN 50085























CXBPE



TCXBPE

















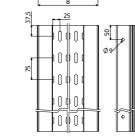






BPE / **H60**





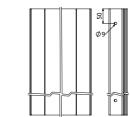
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←→ 3m (10ft)	→			J	1m between supports		1.5 m between supports		1m between supports		
	mm	inch	mm	inch	PVCM1 UV	Kg/m	Lb/ft	Kg/m	Lb/ft	Kg/m	Lb/ft
BPE 60X100	60	2 3/5"	100	4"	2/10070	39	86	20	44	20	44
BPE 60X150	60	2 1/5"	150	6"	2/10071	43	95	22	49	22	49
BPE 60X200	60	2 1/5"	200	8"	2/10072	64	141	31	69	31	69
BPE 60X300	60	2 3/5"	300	12"	2/10073	74	163	38	84	38	84



BPE-C / **H60**

+i Line (II)



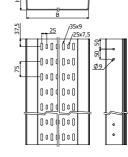


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=====	i‡j.		.[↔].			Up to		104 F°		Up to 140 F°	
←→ 3m (10ft)						1m between supports		1.5 m between supports		1m between supports	
	mm	inch	mm	inch	PVCM1 UV	Kg/m	Lb/ft	Kg/m	Lb/ft	Kg/m	Lb/ft
BPE-C 60X100	60	2 3/5"	100	4"	2/10062	39	86	20	44	20	44
BPE-C 60X150	60	2 3/5"	150	6"	2/10063	43	95	22	49	22	49
BPE-C 60X200	60	2 3/5"	200	8"	2/10064	64	141	31	69	31	69
BPE-C 60X300	60	2 ² /s"	300	12"	2/10065	74	163	38	84	38	84
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BPE-P/**H100**





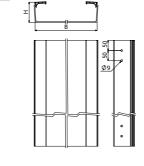
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→ 3m (10ft)		•			Ü	1m be supp			etween oorts	1m be supp			
	mm	inch	mm	inch	PVCM1 UV	Kg/m	Lb/ft	Kg/m	Lb/ft	Kg/m	Lb/ft		
BPE 100X200	100	4"	200	8"	2/10074	119	263	57	126	57	126		
BPE 100X300	100	4"	300	12"	2/10075	125	276	61	134	61	134		
BPE 100X400	100	4"	400	16"	2/10076	168	371	81	179	81	179		
BPE 100X600	100	4"	600	24"	2/10077	227	500	112	247	112	247		



BPE-C / **H100**

+i Line (I)



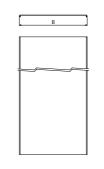


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≠		i j	بڼ		9		Up to		Up to 140 F°		
→ 3m (10ft)					1m between supports		1.5 m between supports		1m between supports		
	mm	inch	mm	inch	PVCM1 UV	Kg/m	Lb/ft	Kg/m	Lb/ft	Kg/m	Lb/ft
BPE-C 100X200	100	4"	200	8"	2/10066	119	263	57	126	57	126
BPE-C 100X300	100	4"	300	12"	2/10067	125	276	61	134	61	134
BPE-C 100X400	100	4"	400	16"	2/10068	168	371	81	179	81	179
BPE-C 100X600	100	4"	600	24"	2/10069	227	500	112	247	112	247
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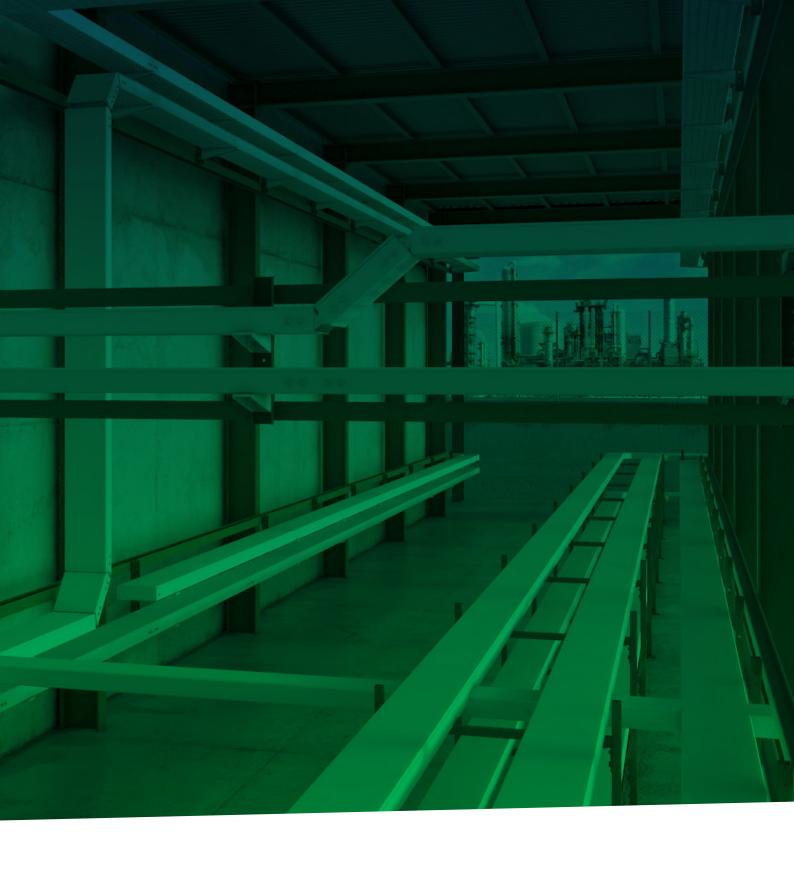


TBPE





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3m (10ft)	mm	inch	PVCM1 UV
TBPE 100	100	4"	2/10078
TBPE 150	150	6"	2/10079
TBPE 200	200	8"	2/10080
TBPE 300	300	12"	2/10081
TBPE 400	400	16"	2/10082
TBPE 600	600	24"	2/10083







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