

K-Plast[®] & CP-Pipe[®] uPVC Piping Systems

YOUR RELIABLE CHOICE



K-Plast® uPVC Piping Systems

Introduction

K-Plast® uPVC pipes are manufactured from the highest quality of materials to present with remarkable properties and outstanding performance. A wide range of product sizes is available for different application and conforming to relevant standards. A comprehensive range of uPVC fittings is also made available to compliment the range of products.

Resistance to Corrosion

K-Plast® uPVC pipes are non-corrosive and non-toxic. They provide an effective resistance to attack and deterioration brought about by the various chemicals and other substances.

Ease of Handling and Flexibility

Being lightweight, K-Plast® uPVC pipes facilitate easy handling, transportation and installation thus made operational tasks simple, safe and economical. They also have the ability to tolerate slight displacements and soil movements without damaging their physical properties.

Ease of Jointing

K-Plast® pipes can be readily jointed and sealed using solvent cement and rubber-ring techniques. This provides the versatility in jointing and minimizes the flow of obstructions.

Increased Hydraulic Capacity

The smooth bore of K-Plast® pipes minimize flow loss and prevent the build-up of deposits and corrosive scales.

Non-Inflammable

K-Plast® pipes do not support combustion thus are safe for indoor applications where fire-safety is essential.

Non-Conductive

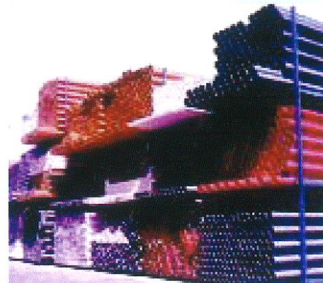
K-Plast® pipes are non conductive due to its integral insulating properties and thus suitable for all kinds of telecommunication conduit applications.

K-Plast® uPVC piping systems are manufactured and tested with compliance to the following standards:

Singapore Standards	SS213	SS272	SS141
Malaysia Standards	MS978/MS1063	MS979	MS628
British Standards	BS4514	BS4660/BS5481	BS3505/BS3506
Australian Standards	AS1415	AS1260	AS1477
Japanese Industrial Standards	K6741 CLASS VU		K6741 CLASS VP
German Standards			DIN19534
European Standards			ISO4422
Conduit	British Standard BS6099		
Cable Cover Plate	ONORM E6530 ASTM D1525		

Applications

- Potable water supply and distribution
- Industrial process water systems
- Irrigation systems
- Sewer rising mains
- Process and effluent discharges.



K-Plast® uPVC Cold Water Services and Industrial Pressure Pipes

SS141 equivalent to MS628, BS3505, BS3506, AS1477 and ISO4422



CLASS B & C

Commonly used as cable conduit, available in plain or socket ends.

Colour	:	Grey and White
Length	:	6.0m (Other length available upon request)
Jointing System	:	Solvent cement welding
Accessory	:	6" end cap & 6" pipe socket

CLASS D & E

Commonly used to convey cold water to household and irrigation purpose.

Colour	:	White
Length	:	5.8m (Other length available upon request)
Jointing System	:	Solvent cement welding

K-Plast® and CP-Pipe® uPVC Cold Water Services and Industrial Pressure Pipes

Nominal Size		Mean Outside Diameter (min) mm	Wall Thickness (min)				
(Inches)	(mm)		Class B 0.6 Mpa mm	Class C 0.9 Mpa mm	Class D 1.2 Mpa mm	Class E 1.5 Mpa mm	Class O Non Pressure mm
1/4	8	13.6	-	-	-	1.3	-
3/8	10	17.0	-	-	-	1.5	-
-	15	21.2	-	-	-	1.7	-
-	20	26.6	-	-	-	1.9	-
1	25	33.4	-	-	-	2.2	-
1 1/4	32	42.1	-	-	2.2	2.7	-
1 1/2	40	48.1	-	-	2.5	3.1	1.8
2	50	60.2	-	2.5	3.1	3.9	1.8
3	80	88.7	2.9	3.5	4.6	5.7	1.8
4	100	114.1	3.4	4.5	6.0	7.3	2.3
5	125	140.0	3.8	5.5	7.3	9.0	2.6
6	155	168.0	4.5	6.6	8.8	10.8	3.1
8	200	218.8	5.3	7.8	10.3	12.6	3.1
9	225	244.1	5.9	8.7	11.5	14.1	3.1
10	250	272.6	6.6	9.7	12.8	15.7	3.1
12	300	323.4	7.8	11.5	15.2	18.7	3.1

K-Plast® uPVC General Purpose Pressure and Non-Pressure Pipes

JIS 6741 and JIS 6742

This range of K-Plast® uPVC pipes are categorized into :-

Class VP (AW) - able to withstand high pressure and commonly used for industrial application.

Class VU (AE) - commonly used for cable ducting and flush pipes.

K-Plast® uPVC General Purpose Pressure and Non-Pressure Pipes

Nominal Size		Mean Outside Diameter (mm)	Wall Thickness (min)	
(Inches)	(mm)		Class AW/VP (mm)	Class AE/VU (mm)
3/8	13	18	2.2	1.8
1/2	16	22	2.7	1.8
3/4	20	26	2.7	1.8
1	25	32	3.1	1.8
1 1/4	30	38	3.1	1.8
1 1/2	40	48	3.6	1.8
2	50	60	4.1	1.8
3	75	89	5.5	2.7
4	100	114	6.6	3.1
5	125	140	7.0	4.1
6	150	165	8.9	5.1
8	200	216	10.3	6.5
10	250	267	12.7	7.8
12	300	318	15.1	9.2

K-Plast® uPVC Soil, Waste and Vents Pipes

SS213 equivalent to MS978, MS1063, BS4514 and AS1415

K-Plast® uPVC pipes are commonly used in sanitary plumbing systems for housing projects, private condominiums, industrial and commercial building. These pipes are also suitable for rainwater down pipes and other water discharge purposes.

Colour : White
 Length : 5.8m (Other length available upon request)
 Jointing System : Solvent cement welding

K-Plast® uPVC Soil, Waste and Vents Pipes

Nominal Size (Inches)	Nominal Size (mm)	Mean Outside Dia (mm)	Min Wall Thickness (mm)
1 1/4	32	36.2	2.1
1 1/2	40	42.8	2.3
2	50	55.7	2.4
2 1/2	65	68.7	2.7
3	80	82.3	3.0
4	110	110.0	3.2
6	160	160.0	4.0

K-Plast® uPVC Underground Drainage Pipes - Sewage Pipes

SS272 equivalent to MS979, BS4660, BS5481 and AS1260

This range of K-Plast® uPVC pipes are widely used in sewer piping applications and are highly suitable for all underground usages. Common usage include scupper drain, sewer or drainage connection, subsoil drainage for fields, parks and golf courses. The 4" range is also being recommended for ducting of telecommunication and electrical cables laying.

Colour : Brown, Grey or White
 Length : 5.8m (Other length available upon request)
 Jointing System : Solvent cement welding and integrated rubber ring joints

K-Plast® uPVC Underground Drainage Pipes - Sewage Pipes

Nominal Size (Inches)	Nominal Size (mm)	Mean Outside Dia (mm) (min)	Min Wall Thickness (mm)
4	110	110.0	3.2
6	160	160.0	4.0
8	200	200.0	4.9
10	250	250.0	6.1
12	315	315.0	7.7

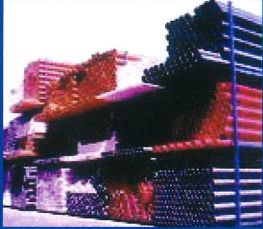


K-Plast® uPVC and PE pipes for other applications

A wide range of flexible corrugated uPVC or PE cable protection pipes is also made available in application for electrical conduit and telecommunication networks.

Colour : White, Black or Yellow
 Diameter : 29mm to 300mm
 Packaging : 25m, 50m, 100m or 500 per coil

Other products such as profiles, pipe spacer and cable plate are also available. Other injection and extrusion products are also available upon request.



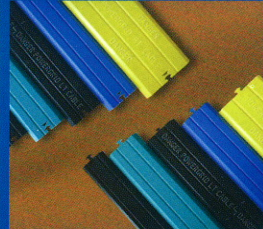
PVC Pipes & Fitting For Building, Sewage & Cable Protection



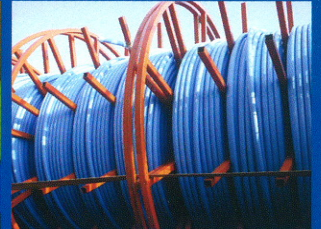
PVC & HDPE Key Liner For Concrete Lining



Cable Plate For Underground Services Protection



HDPE Smooth Bore Pipe For Fibre Optical Cable Protection



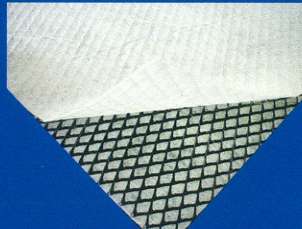
HDPE Spiral Pipe For Underground Cable Protection



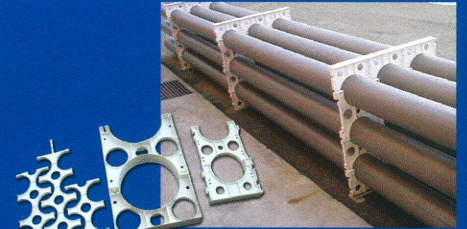
Single & Double Wall Corrugated Pipe For Sewage, Drainage & Cable Protection



Geocomposite For Drainage Application

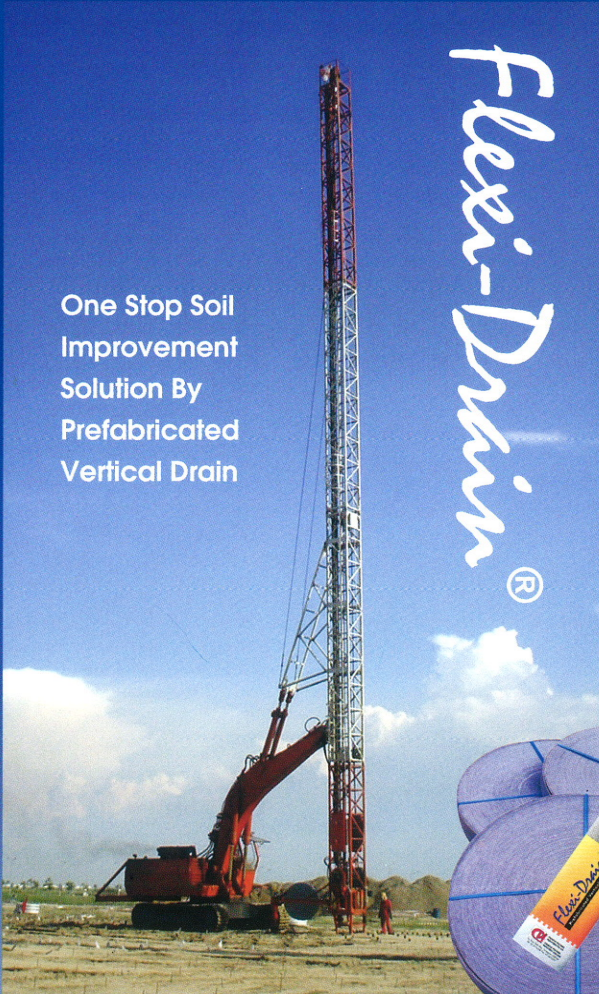


Pipe Spacer



Flexi-Drain®

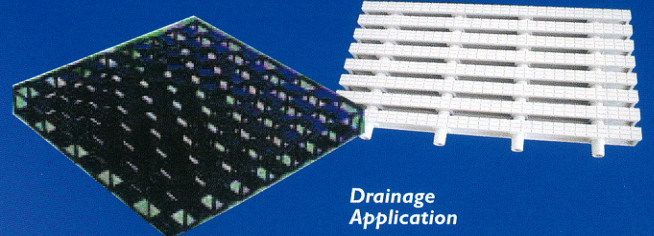
One Stop Soil Improvement Solution By Prefabricated Vertical Drain



Manufacturer and supplier of plastic products for civil engineering and infrastructure development. Specialise in various drainage systems and capable in offering an extensive range of quality products and on-demand requirement.

Products Include:

- K-Plast® and CP-Pipe® UPVC pipes
- K-Plast® and U uPVC Fittings
- PVC / HDPE Liner for concrete lining
- PVC compound for fitting
- PVC Cable Plate for cable protection
- Pipe Spacer
- Prefabricated Vertical Drain for soil improvement
- HDPE Corrugated / Smooth Bore Pipe (silicon coating) for fibre optic cable protection
- HDPE Single / Double Wall Corrugated Pipe for sewage, drainage and cable protection
- HDPE Spiral Pipe
- HDPE netting system for soil erosion control and agriculture
- Structural Drainage Cell for roof top garden
- ABS Grating
- Slit Fence for sediment control
- Geocomposite, geotextile and other geosynthetics products



Drainage Application

For full details and technical data, please contact us at

Creative Polymer Industries Pte Ltd.

201 Kranji Road Singapore 739480 Tel: (65) 6261 6266 Fax: (65) 6261 3337 Email: info@cpi.com.sg Website: www.cpi.com.sg

K-Plast Technology Sdn Bhd. (645306-V)

Lot 7012, Batu 23, Jalan Air Hitam 81000, Kulai, Johor, Malaysia Tel: (607) 652 3133 Fax: (607) 652 5133 Email: info@flexidrain.biz Website: www.flexidrain.biz