شركة قطر للأنابيب والوصلات ذ. م. م.

Qatar Pipeline & Fittings Co.

Part of Qatar Plastic Additives & Industries Group (QADDCO)

QPF

PLASTIC PRODUCTS CATALOGUE

www.qaddcoqatar.com

MARLEY PLUMBING & DRAINAGE

DYKA PLASTIC PIPE SYSTEMS

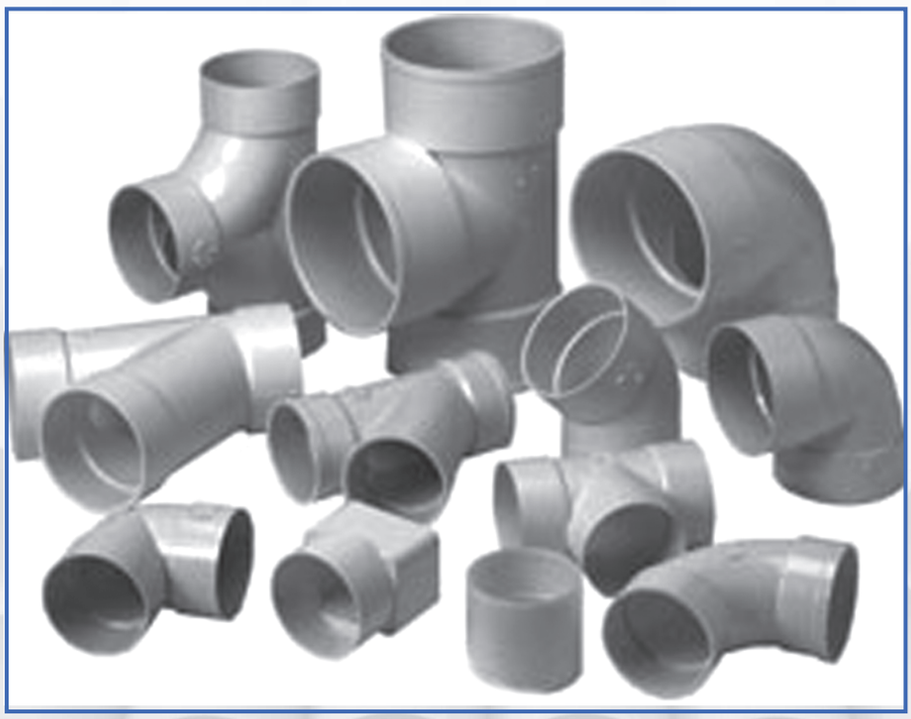
coes COMPANY

COMER

UNIDELTA

ISO 9001

BUREAU VERITAS Certification



Company Profile

Qatar Pipeline & Fittings Co. (QPF) one part of QADDCO Group is an ISO 9001:2008 certified company which was established on year 1997, with vision to provide the State of Qatar & the Gulf region with highly developed, international specified & best quality of plastic products.

We are proud that we have reached to be one of the leading manufacturers in all three production fields that we are currently been specialized in.

The trust in our capabilities & our quality made us the choice of the leading petrochemical & contracting companies with proud reference to the major projects in the state of Qatar.

We have currently three production factories:

1. **Plastic Pipes factory:** this factory is supervised, certified & licensed by highly reputed and well-known European plastic pipes & fittings manufacturers to produce plastic pipes in accordance to the main international, regional & Qatari standards.
2. **Plastic Fittings Factory:** We are proud to be the first Qatari injection factory that produces PVC fittings to different piping systems & with full range that fulfill the need of the construction fields in the state of Qatar.
3. **Plastic Additives and master batches:** We are proud that we are the pioneers in the introduction of this highly technical manufacturing to the Qatari industry.

In addition of the above production factories we are also the sole agents to four European plastic fittings systems that are been produced in accordance to the international regional and Qatari standards.

QPF PLASTIC PIPES

(QPF) is one of the leading manufacturers of the plastic pipes due to the concept of introducing a Qatari made pipe with license from international pipes manufacturers along with the completion of the pipes with the fittings that makes those pipes as a full system easy & trusted to install in any of the major projects. with the brand name QADDCO

No doubt that the plastic pipes provide today an advance world significant benefit as it's considered to be one of the man made thermoplastic construction materials. In practical sense, it can be considered nearly inert when exposed to chemical agents including most acids, alkalies, fuels & corrosive materials with further consideration of plastics light weight, high strength to weight ration, exceptional durability, great resiliency & unique thermoplastic properties.

Today PVC, PP & PE pipes have became the most significant factor in the piping market of construction & mechanical installations as throughout the world many organizations have recognized the benefits of such piping systems& have established standards to them (BS, ASTM & EN). In general all the plastic pipes have been able to offer a reliable & durable option to the people involved in using them, engineers, contractors, designers & end users.

TYPES OF QPF PLASTIC PIPES:

1. PVC (Polyvinyl Chloride) Pipes: in this QPF has three Major types as follow:
   a. **PVC Soil, Waste (above ground), PVC Sewer and Drainage (under ground) Pipes:** These types of non pressure pipes are manufactured in cooperation & with license from MARLEY – UK.
   b. **High Pressure Pipes:** are manufactured in cooperation with COMER – ITALY for the water supply, Irrigation & industrial water & gas pressure systems.
   c. **PVC Telecom, Electrical Ducts and Conduits:** all are manufactured with accordance to the international standards for electrical ducting & with accordance to KAHRAMA & QTEL standards.

d. **PVC Fabricated Fittings:** in additionto the pipes QPF also fabricate the necessary long bends, puddle flange, bell mouth collars & perforated pipes which are essential to the above systems.

2. **PPRC (Polypropylene Random Co-Polymer Pipes**

   This type of pipes is manufactured in co-operation with COES company - Italy, for the hot and cold potable water systems also for the Gas & all types of liquids due to the high resistance of this type of materials to acids and alkalies.

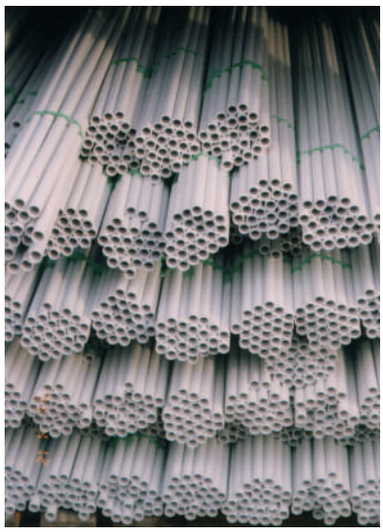
3. **PE (Polyethylene) Pipes:** these types of pipes are manufactured in co-operation with UNIDELTA – ITALY with three different types as follows:
   a. HDPE (High Density Polyethylene) Pipes.
   b. MDPE (Medium Density Polyethylene) Pipes.
   c. LDPE (Low Density Polyethylene) Pipes.

The Advantages of the plastic pipes:

a. **Cost:** the plastic piping systems is proven to be cost cutting materials as its evaluated to the cost of the initial materials, installation, operation and repair or replacement over the system life.
b. **Simplicity of installation:** being very simple to join and install it makes it very convenient to labor cost reduction & it makes less technical people able to conduct the work.
c. Plastic pipes are insensitive to aggressive media and soil.
d. Plastic pipes are non-abrasive.
e. Plastic pipes need no protective or insulation coating.
f. Plastic pipes are non-corrosive, as they resist almost all types of chemical and electrochemical corrosion factors.

QPF PIPES QUALITY CONTROL: To enable us to provide high quality pipes to our customers, we have equipped our pipe production with the latest quality testing equipments and updated our quality testing methods to fulfill the latest versions of standards.

QPF Unplasticized Polyvinyl Chloride Pipes (u PVC)



QPF uPVC pipes are manufactured with accordance to the international standards for different types of uses mainly to & European standards (BS EN 1401, BS EN 1329, DIN 8062, BS 3505 / 3506, BS 6099). Also & in some cases QPF are manufacturing with accordance to the standard of special telecommunication companies or contractors.

Technical Data of QPF uPVC Pipes

Physical Properties			
Properties at 20_C	**Unit**	**Values**	**Method of Evaluation**
Specific Gravity at 23_C		1.43	ASTM D 792
Flammability	not support		ASTM D 635
Resistance of burning	Sec.	< 30	BS 4607 PART 2.70
Softening PT. (VSP 5kgf)	C	82	BS 2782 - 1976
Shore Hardness		81	ASTM D 2240 - 75
Thermal Conductivity	W/m-k	0.17	BS 874 - 1973
Specific Heat	Cal/g_C	0.25,	
Mechanical Properties			
Tensile Strength 20_C	Kg/cm2	481 - 550	ISO R 257
Modulus of Elasticity	MN/m	3000	ASTM - 1784
Compressive Strength	Kp/cm	668	BS 4607 PART 2:70
Flexural Strength	Kp/cm	950	ASTM D 790
Elongation at Break	%	> 80	ISO R 527
Yield Stress	Kp/cm	> 400	ISO R 527
Resistance to Heat	mm	< 2	BS 4607 PART 2:70
Chemical Properties			
Resist to Sulphuric Acid	g/45cm	-0.13 +3.19	
Resist to Methylene Chloride	%	<3	ISO 2508/81
Resist. Water Absortion	mg/cm	<2.0	ISO 2508/81 & DIN 8061
Toxicity			
Pb Toxicity	mg/L	<0.3	
Sn Toxicity	=	<0.02	
Zn Toxicity	=	<0.01	
Electrical Properties			
Volume Resistively	mg/L	1014	
Surface Resistance	ohm	1012	DIN 53482
Power Factor at 10 HERTZ		3	
Dielectric strength	V/mil	1400	BS 4607
Insulation Resistance	M. ohm	1.1x105	BS 4607

QADDCO Sewerage/Drainage Non-Pressure uPVC Pipes

QPF manufactures this type of pipes with accordance to both British, Dutch & Australian standards as follows:

1. British Standards:

BS EN 1329 (Formerly BS 5255) Soil & Waste (Above Ground Drainage) MuPVC with Co-Operation of Marley-UK			
Nominal Size		Mean Outside Diameter mm	Wall Thickness mm
INCH	mm		
$1^1/_4$	32	36.15	2.0
$1^1/_2$	40	42.75	2.0
2	50	55.75	2.0

- The Standard Length : 4.0 Meters
- The Standard Color : Light Gray in Color.
- The Socket Type : Solvent Weld Socket Type.

BS EN 1329 (Formerly BS 4514) Soil & Waste (Above Ground Drainage) uPVC Pipes with Co-Operation of Marley-UK			
Nominal Size		Mean Outside Diameter mm	Wall Thickness mm
INCH	mm		
3	82	82.4	3.2
4	110	110.0	3.2
6	160	160.0	3.2

- The Standard Length : 3" = 4.0 Meters, 4 & 6" = 5.8 Meters.
- The Standard Color : Light Gray in Color.
- The Socket Type : Solvent Weld Socket Type.

BS EN 1401 (Formerly BS 4660) Sewer & Drainage (Underground) uPVC Pipes with Co-Operation of Marley-UK			
Nominal Size		Mean Outside Diameter mm	Wall Thickness mm
INCH	mm		
4"	110	110.0	3.2
6"	160	160.0	4.1

- The Standard Length = 5.8 Meters.
- The Standard Color = Red (Golden Brown).
- The Socket = Solvent Weld Socket.

BSEN1401 Gravity Sewage uPVC Pipes & BSEN1329 (Above Ground Drainage)		
Nominal Size mm	Mean Outside Diameter mm	Wall Thickness mm
200	200.0	4.9
250	250.0	6.1
315	315.0	7.7

- The Standard Length = 5.8 & 6.0 Meters.
- The Standard Color = Red (Golden Brown), Grey
- Socket = Solvent Weld & Rubber Ring Seal Socket Type.

Marley Plumbing & Drainage plastic fittings

Kitemarked Soil, Waste and Underground fittings

BS EN 1329-1: 2000
Plastic piping systems for soil and waste discharge systems – PVCu

BS 4514: 1983
Specification for PVCu soil and ventilating pipes, fittings and accessories.

BS 5255: 1989
Specification for thermoplastics waste pipe and fittings.

BS 4660: 2000 & BS EN 1401: 2009
Plastic piping systems for non-pressure underground drainage and sewerage.

MARLEY
Plumbing & Drainage Solutions

1st January 2018

We hereby certify that
Qatar Pipeline & Fitting Co. (QPF)
have undergone an audit of their production methods and processes and have been granted permission by Marley Plumbing & Drainage to brand PVC-u drainage pipe as follows:

"BS EN 1401 (formerly BS4660), BS EN 1329 (formerly BS4514 and BS5255) Pipe made in Qatar by QPF in co-operation with Marley UK"

This agreement is valid from 1st January 2018 to 31st December 2018 when it is subject to re-audit.

On behalf of Marley Plumbing & Drainage

Mr S James, Managing Director

Date: 2nd January 2018

Marley Plumbing & Drainage Lenham Maidstone Kent ME17 2OE England Tel: +44 (0)1622 858 888 Fax: +44 (0)1622 858 725

Soil and Waste

Through QADDCO, Marley Plumbing & Drainage offer a complete range of Kitemarked soil & waste systems, with products available in a variety of colours and with either push-fit, compression or solvent weld joints. A wide range of systems have been developed to suit both the requirements of domestic above ground drainage and the particular needs of commercial, industrial and public buildings.

Waste

Type: ● PVC-c Solvent Weld ● ABS Solvent Weld **Size:** 32mm, 40mm and 50mmm

Soil

Type: ● Push-fit **Size:** 82mm, 110mm and 1600mm

Underground

The Marley Plumbing & Drainage range of underground drainage systems consists of a solid wall range with either a socketed or plain end, which is predominately used for private drainage.

Type: ● Solid wall **Size:** 110mm and 160mm

MARLEY
Plumbing & Drainage Solutions

2. DIN Standards:

DIN19531 Drain (Above Ground) uPVC Pipe		
Nominal Size (mm)	**Mean Outside Diameter (mm)**	**Wall Thickness (mm)**
40	40.0	1.8
50	50.0	1.8
75	75.0	1.8
110	110.0	2.2
125	125.0	2.5
160	160.0	3.2

- The Standard Length = 4.0, 5.8 & 6.0 Meters.
- The Standard Color = Gray & Black.
- The Socket = Solvent Weld & Rubber Ring Seal Sockets.

DIN19534 Sewer (Gravity) uPVC Pipe		
Nominal Size (mm)	Mean Outside Diameter (mm)	Wall Thickness (mm)
110	110.0	3.0
125	125.0	3.0
160	160.0	3.6
200	200.0	4.5
250	250.0	6.1
315	315.0	7.1

- The Standard Length = 5.8 & 6.0 Meters.
- The Standard Color = Red (Golden Brown).
- The Socket = Solvent Weld & Rubber Ring Seal Sockets.

QADDCO uPVC Pressure Pipes

QPF manufactures this pressure pipes in cooperation with Comer-Italy for the wide use in the pumped water supply system, irrigation & industrial uses. These pipes are manufactured with accordance to the following:

1. British Standards:

BS 3505/3506 QADDCO Pressure uPVC Pipes					
Nominal Size (inch)	Outside Diameter (mm)	Wall Thickness (mm)			
		Class B (6 BAR)	Class C (9 BAR)	Class D (12 BAR)	Class E (15 BAR)
1/2"	21.1				1.7
3/4"	26.6				1.9
1"	33.4				2.2
1 1/4"	42.1			2.2	2.7
1 1/2"	48.1			2.5	3.1
2"	60.2		2.5	3.1	3.9
3"	88.7	2.9	3.5	4.6	5.7
4"	114.1	3.4	4.5	6.0	7.3
6"	168.0	4.5	6.6	8.8	10.8
8"	218.8	5.3	7.8	10.3	12.6

- The Standard Length : 5.8/6.0 Meters.
- The Standard Color : Dark Gray.
- The Socket Type : Solvent Weld Socket Type.
  : Rubber ring socket for sizes 4", 6" & 8" Class D & E.

2. German DIN Standards:

DIN 8062/63 QADDCO Pressure uPVC Pipes					
Nominal Size (mm)	Outside Diameter (mm)	Wall Thickness (mm)			
		Class 2 (4 BAR)	Class 3 (6 BAR)	Class 4 (10 BAR)	Class 5 (16 BAR)
40	40		1.8	1.9	3.0
50	50		1.8	2.4	3.7
63	63		1.9	3.0	4.7
75	75	1.8	2.2	3.6	5.6
90	90	1.8	2.7	4.3	6.7
110	110	2.2	3.2	5.3	8.2
160	160	3.2	4.7	7.7	11.9
200	200	4.0	5.9	9.6	14.9
225	225	4.5	6.6	10.8	16.7
250	250	4.9	7.3	11.9	18.6
280	280	5.5	8.2	13.4	20.8
315	315	6.2	9.2	15.0	23.4

- The Standard Length : 5.8 or 6.0 Meters.
- The Standard Color : Dark Gray in Color.
- The Socket : Solvent Weld or Ring Seal Socket.

3. ASTM Standards:

ASTM D 1785 (Schedule Series) Pressure uPVC Pipes			
Nominal Size (inch)	Outside Diameter (mm)	Wall Thickness (mm)	
		Schedule 40	Schedule 80
1/2"	21.24	2.77	3.73
3/4"	26.57	2.87	3.91
1"	33.27	3.38	4.55
1 1/4"	42.03	3.56	4.85
1 1/2"	48.11	3.68	5.08
2"	60.17	3.91	5.54
2 1/2"	72.84	5.16	7.01
3"	88.70	5.49	7.62
4"	114.07	6.02	8.56
6"	168.00	7.11	10.97
8"	218.70	8.18	12.70

- The Standard Length : 4.0, 5.8 & 6.0 Meters.
- The Standard Color : For SCH. 40 = White & for SCH 80 = Dark Gray.
- The Socket Type : Solvent Weld

CONDUIT TUBING NEMA TC2								
Nominal Size (Inches)	Outside Diameter (mm)		Wall Thickness					
			EPT*		EPC*40		EPC*80	
	Min	Max	Min	Max	Min	Max	Min	Max
1/2"	21.24	21.44	1.52	2.03	2.77	3.28	3.73	4.24
3/4"	26.57	26.77	1.52	2.03	2.87	3.38	3.91	4.42
1"	33.27	33.53	1.52	2.03	3.38	3.89	4.55	5.08
1 1/4"	42.03	42.29	1.78	2.29	3.56	4.06	4.85	5.43
1 1/2"	48.11	48.41	2.03	2.54	3.68	4.19	5.08	5.69
2"	60.17	60.47	2.54	3.05	3.91	4.42	5.54	6.20
3"	88.70	89.10	3.18	3.68	5.49	6.15	7.62	8.53
4"	114.07	114.50	3.81	4.32	6.02	6.73	8.56	9.58
5"	141.05	141.55	-	-	6.55	7.34	9.52	10.67
6"	168.00	168.56	-	-	7.11	7.98	10.97	12.29

Nominal Size (Inches)	Outside Diameter (mm)		Wall Thickness			
			TC6		TC8	
	Min	Max	Min	Max	Min	Max
1	33.27	33.53	-	-	-	1.52
1 1/2"	48.11	48.41	-	-	-	1.52
2"	60.17	60.47	1.52	1.52	1.52	1.96
3"	88.70	89.10	1.55	2.32	1.93	3.00
4"	114.07	114.50	2.08	3.07	2.54	3.91
5"	141.05	141.55	2.62	3.86	3.20	4.85
6"	168.00	168.56	3.18	4.62	3.86	5.77

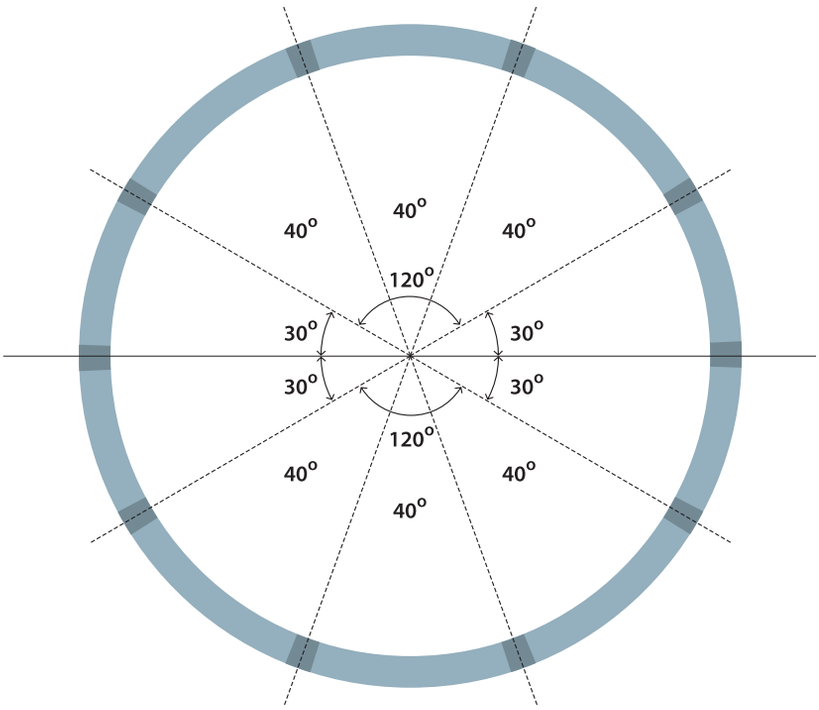
Unit length of conduit : 5.8 mtrs & 6 mtrs
Colour of Conduit : Grey/ Black
Conduits joining method : Solvent Cement Weld
Conduit Ends : 2" and above -socket to spigot ends.

Note: All items are not under normal production run, but manufactured upon special request & in bulk quantity only

*Abbreviation used above stands for:

EPT (Electrical Plastic Tubing) -For Concrete Encasements
EPC 40 (Electrical plastic Conduits) - For Direct Underground Burial
EPC 80 - For Underground Burial Extra Heavy Wall
EB (Encase Burial) - For Concrete Encasements
DR Direct Burial) - For Direct Underground Burial

Perforated Piping Systems

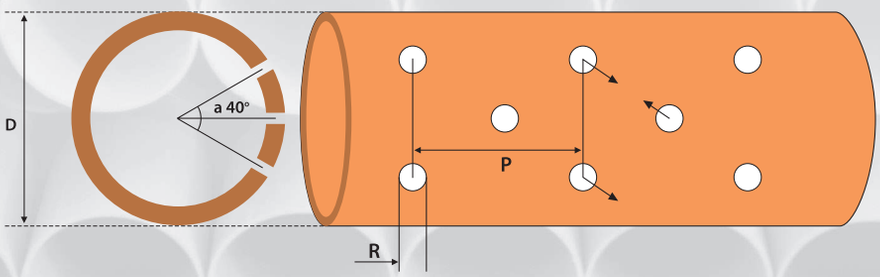


Fully Perforated Pipe

Reference No.	Outside Diameter (mm)	Wall Thickness (mm)	Joint Type
QAD-PRF-110	110	3.2	SCJ or RS
QAD-PRF-160	160	4.1	SCJ or RS
QAD-PRF-200	200	4.9	SCJ or RS
QAD-PRF-250	250	6.2	SCJ or RS
QAD-PRF-315	315	7.7	SCJ or RS

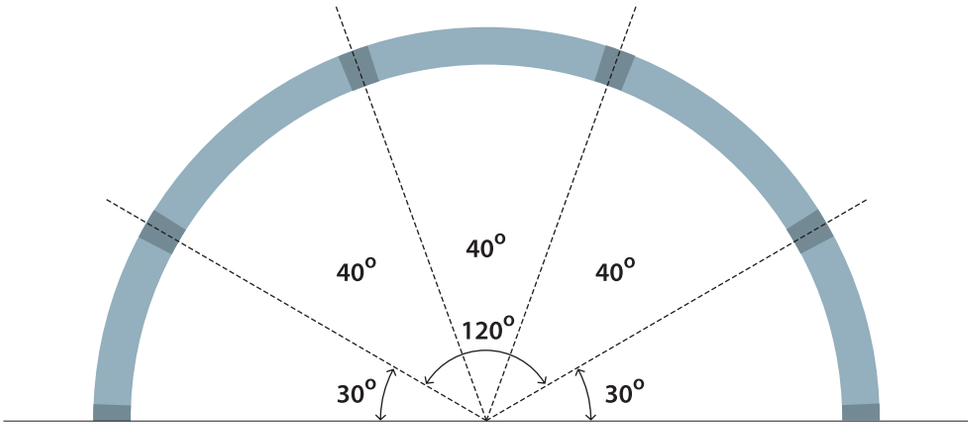
PEFORATED PIPE DATA

Hole Size (R) : 8mm, 10mm or as required
Hole Spacing (P) : 200mm or 250mm along piping axis
Number of Raws : 1 to 4 as mentioned in the drawing
Raw Spacing : 40° separation between adjacent raws
: 120° between outside raw if all four raws are used
Colour : Red or grey



Staggered Raws

Perforated Piping Systems

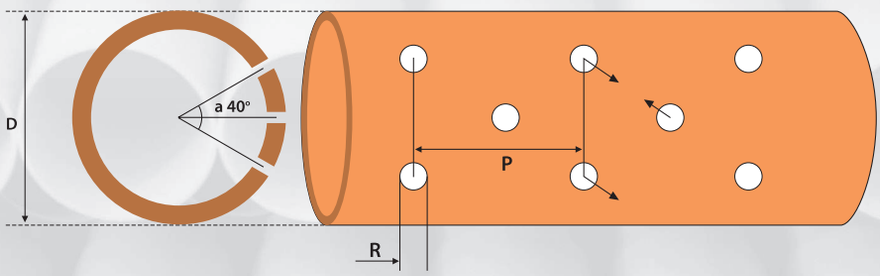


Half Perforated Pipe

Reference No.	Outside Diameter (mm)	Wall Thickness (mm)	Joint Type
QAD-PRF-110	110	3.2	SCI or RS
QAD-PRF-160	160	4.1	SCI or RS
QAD-PRF-200	200	4.9	SCI or RS
QAD-PRF-250	250	6.1	SCI or RS
QAD-PRF-315	315	7.7	SCI or RS

PEFORATED PIPE DATA

Hole Size (R) : 8mm, 10mm or as required
Hole Spacing (P) : 200mm or 250mm along piping axis
Number of Raws : 1 to 4 as mentioned in the drawing
Raw Spacing : 40° separation between adjacent raws
: 120° between outside raw if all four raws are used
Colour : Red or grey



Staggered Raws

QADDCO uPVC Electrical Conduit & Cable Ducts

QPF has a verity of electrical conduits & cable ducts which are manufactured with accordance to British, European Standards & Qatar Telecommunication & Electricity & Water Service Company (Q.Tel & Kahrama). with the brand name QADDCO

BS EN 50086 & BS 6099/2 uPVC Electrical Conduit						
Nominal Size (mm)	Inside Diameter (mm)			Wall Thickness (mm)		
	Light	Medium	Heavy	Light	Medium	Heavy
20	17.4	16.9	15.8	1.4	1.6	1.8
25	22.1	21.9	20.6	1.6	1.8	1.9
32	28.6	27.8	26.6	1.7	2.1	2.5
38	34.8	33.6	33.0	1.6	2.3	2.5
50	45.1	44.3	43.2	2.45	2.85	3.2

- Standard Length : All Conduits are 2.9 Meters in Length.
- The Standard Color : All Conduits are White or Black in Color.

Q. TEL (Ooredoo Standard)					
Dudt No.	Outside Diameter (mm)	Inside Diameter (mm)	Socket Length (mm)	Duct Length	Wall Thickness (mm)
54D	96.5	90.0	100.0	5.9	3.25
56D	56.5	50.0	70.0	3.07	3.25

- The Standard Color : All the Ducts & the Bends are Black.
- The Socket Type : All the Ducts & the Bends are Solvent Weld Type.

QADDCO Electrical cable Ducts			
Nominal Size (inch)	Outside Diameter (mm)	Wall Thickness (mm)	Standard Length (meters)
1 1/4"	36.15	1.8	4.0
1 1/2"	42.75	1.9	4.0
2"	55.75	2.0	4.0
3"	82.4	2.2	4.0
4"	110.0	2.4	5.8
6"	160.0	2.6	5.8
4"	110.0	3.2	5.8
6"	160.0	4.7	5.8
6"	160.0	3.6	5.8
8"	200.0	4.0	5.8
8"	200.0	4.9	5.8
10"	250.0	4.9	5.8
10"	250.0	6.1	5.8
12"	315.0	7.7	5.8
12"	315.0	9.2	5.8

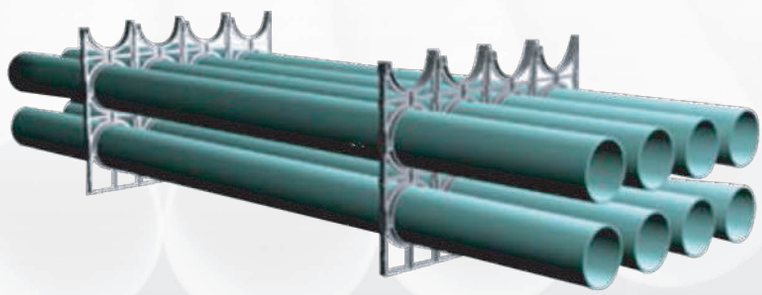
- The Standard Color : Red, Gray & Black.
- The Socket Type : All pipes are solvent or rubber socket.
- Note : QCS ducts are included in the above table.

QADDCO uPVC Fabricated Accessories

Puddle Flange | Bend 30° | Bend 45° | Bend 90° | Collar | Bell Mouth

Intermediate

Base



Ducting Spacers

DIA	WALL THICKNESS (mm)	BEND 30°	BEND 45°	BEND 90°	COLLAR	BELL MOUTH	PUDDLE FLANGE	Ducting Spacers
11/4"	1.8	√	√	√	√	√	√	
11/2"	1.9	√	√	√	√	√	√	
2"	2	√	√	√	√	√	√	
3"	2.2	√	√	√	√	√	√	
56.5 mm	3.25	√	√	√	√	√	√	
96.5mm	3.25	√	√	√	√	√	√	√
110 mm	2.4 & 3.2	√	√	√	√	√	√	√
160 mm	2.6 & 3.6	√	√	√	√	√	√	√

Handling, Transport and Storage

As uPVC is a material, which is approximately 1/5th in weight when compared with substitutes like ductile iron, the proper handling of this material is an area which is sometimes incorrectly addressed and thus can seriously affect the quality of the final pipe system structure. It is therefore prudent to employ proper care and handling as outlined in the BSI code of practice CP 312: Part 2 (uPVC Pipe work for the conveyance of liquids under pressure).

1. Handling

During transportation, pipes must not be handled roughtly. This is particularly so when they are in contact with hard surfaces. Dropping from a height or dragging them from one place to another may damage the pipes and make them unsuitable for use, particularly when the pipe ends have already been prepared for installation.

Use of improper machinery/handling equipment for lifting or moving pipes must be avoided at all times.

Where mechanical handling equipment is used, it should be insured that any metallic implements do not come in direct contact with the pipes. Fibrous material like ropes and web slings are ideal for such purposes, as they will not damage the pipe walls.

Under near freezing conditions, uPVC becomes more brittle than normal. Great care should therefore be taken in handling pipes in cold conditions.

Before installation, pipes and fittings should be minutely examined for any structural damage.

2. Transport

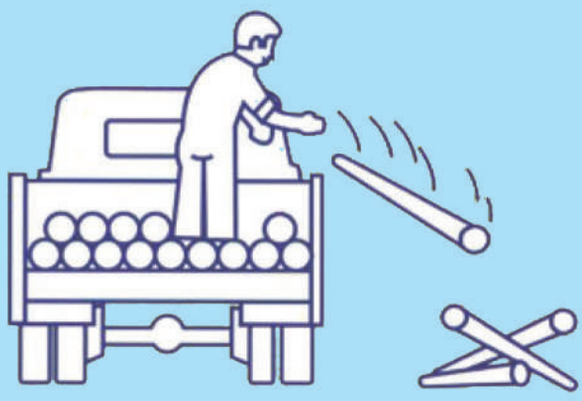
The transporting vehicle must ideally have a flat bed, free from any rough surfaces or corrugation.

Overchanging of pipes from the bed of the transporting vehicle must not exceed 1 meter, the pipes must be evenly supported and should be loaded with sockets aligned at alternate ends.

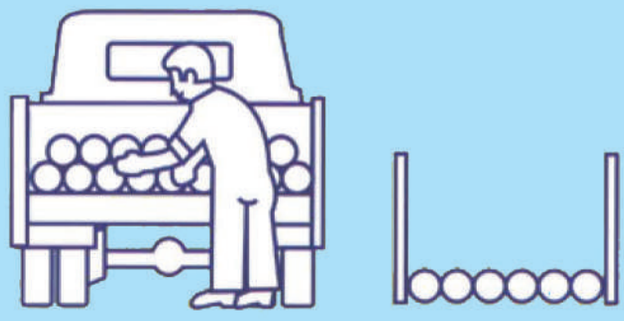
Heavier and large pipes must always be loaded first, with proper side supports.

3. Storage

If uPVC are to be stored for long periods of time, it is necessary to observe a few precautions.



Wrong way



The correct way to off load

Handling, Transport and Storage

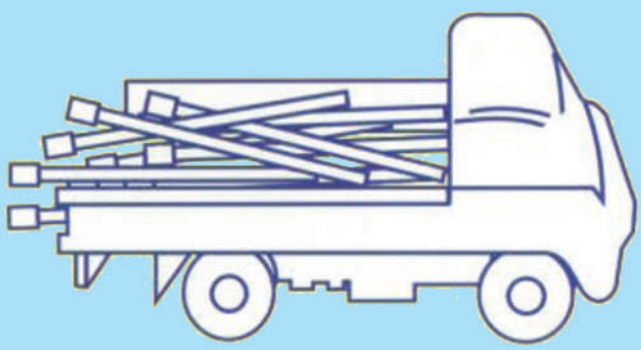
Pipes in bundles: It is important that factory made bundles have a flat surface to rest on. The bundles must remain undisturbed till they are required for use as excessive movement can damage them permanently.

Likewise, loose pipes must also have a flat surface to rest on and it may be sometimes necessary to level the appropriate site prior to storage. Alternately, timber supports, not less than 75 mm wide placed at distances not greater than 1.5 meters can also meet this requirement.

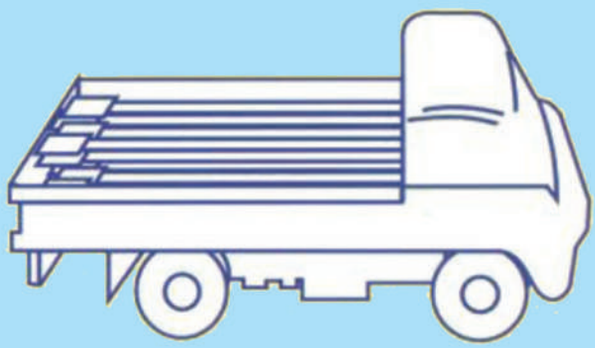
Bundled as well as loose pipes must always have timber supports not less than 75mm square at distances not exceeding 1.5 meters along the length of the stack. Pipes with sockets must be placed with alternating ends to avoid damage to the sockets. Pipes of different dimensions should be stored separately. Wherever this is not possible, larger and heavier pipes must always be at the bottom of stack.

The stack height should be restricted to seven layers or less, with the total height not exceeding 2 meters. Where a storage period of more than a month is anticipated or where storage is to be done in temperatures exceeding 23°C the stack height of 1 meter. All pipes shouldbe properly covered by tarpaulin, which should be securely fastened to the timber supports to afford shaded and airy storage conditions.

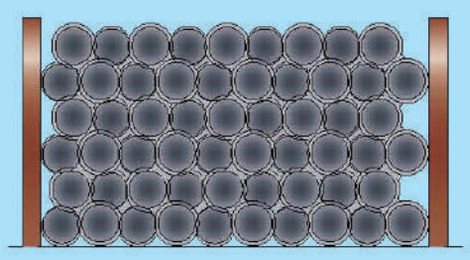
Fittings can be affected by weathering thus special care should be taken to afford sheltered conditions for their storage in order to avoid accidental damage.



The wrong way to load pipes



The correct way to load pipes



QADDCO Installation Methods of uVPC Pipes

A. Method of solvent welded joint:

1. The matting surfaces of the spigot and socket must be wiped with cleaning fluid to remove any adhering mud and grit.
2. Mark on the spigot the full depth of insertion into the socket lightly roughen the penetration length of the spigot and the interor of the socket with emery cloth.
3. Using a clean rag or aborbent paper and cleaning fluid thoroughly clean the matting surfaces of both spigot and socket ensure that no moisture remains on the areas to be jointed.
4. Apply solvent cement sparingly in an even layer, to the internal surface of the socket apply solvent cement liberally to the matting surface of the spigot. Use a new, inexpensive paint brush of suitable size. Always lay on the solvent cement lengthwise and not with a circular motion.
5. With the initial pipe length suitably anchored, immediately push, the spigot end fully home, without turning the pipe. Wipe off with a rag surplus cement around the outside of completed joint.
6. The completed joint should not be disturbed for about five minutes, after which it may be handled with reasonable care.

Hydraulic testing to $1^{1}/_{2}$ times working pressure may take place 24 hours after completion of joint; working pressure may be applied after 8 hours.

Note:

Close the open tin of solvent cement when not in use, do not work near a naked flame and do not mix cleaning fluid with the solvent cement.

Laying of Pipes

Prior to installation, pipes should be thoroughly checked for possible defects or damage.

Including:

- Damage to surfaces (internal and external) should be limited to superficial scratches which do not exceed 5% of the standard wall thickness.

- Spigot or socket must be cleared of dirt and bums.
- The chamfer on the spigot end must be unform, approximately 15° right around the circumference of the pipe.

The pipeline must be laid directly onto the prepared bedding.

Deflection & bending

A misalignment of 0.5° can be accommodated for every rubber ring joing used and a length of pipe can be purposefully and uniformly bent to limited extent (the radius of the bend should be no less than 300 times the pipe diamter).

Backfilling

Material

The same material used for the bedding should form the sidefilling and initial backfilling (overlay) and should be compacted to 300mm above the crown of the pipe. For the rest of the backfilling, excavated material from the site can be used, unless otherwise specified by the engineer.

Contraction

Often, pipes may have been in the sun prior to installation and may have expanded. Each pipe must be paritially backfilled immediately after installation in order to restrict the possible subsequent contraction of each pipe length, where it is then catered for by the rubber ring joint system.

Side Filling & Overlay

Suitable material is carefully and evenly placed in un-compacted layers of about 75mm and tamped by hand until it is level with the frown of the pipe. To restrict pipe movement, simultaneously fill and compact mateiral evenly on either side of the pipe. Further 150mm un-compacted layers are placed and hand tamped until a level of 300mm above the crown is reached.

Main Backfill

The remainder of the trench is filled in layers of 300mm and can be compacted by means of mechanical equipment if desired. All joints must be left exposed until pressure testing has been completed. Thereafter, the same backfilling process can be followed at the joints.

Anchoring

Concrete thrust blocks are necessary for buried PVC pressure pipe installations with rubber ring joints in order to anchor the pipelien and avoid possible failure when pressure is applied.

The purpose of a thrust block is to spread the load of a pressurised pipe over a larger bearing area and against the undisturbed surface of the trench side wall. The size of the thrust block is designed bearing in mind.

- Changes of direction greater than 10° (e.g. Tees and Bends)
- Changes in pipe size
- Valves and end caps

Engineers will take into consideration the load beating capacity of the soil, the test pressure and the direction of the resultant thrust when calculating the sizes and positions of thrust blocks.

Note: Temporary thrust blocks can be constructed at the two ends of a test section and removed after testing is complete.

Test Length

Pipelines less than 1000m long can be tested as a whole . For longer pipelines, it is advisable to divide testing into sections with the first test section about 500m and thereafter no more than 1000m. This will allow for the quicker identification of faulty installation and/or handling.

QPF Polypropylene

Random Co-Polymer Pipes (PPRC)

QPF manufactures the PPRC (Polypropylene Random Co-Polymer) pipes in co-operation with COES - Italy, by QADDCO as the company has the license from the company of origin COES - Italy.
The PPRC pipe are manufactured with accordance to DIN 8077/8078 standards & made from special blue vestolen P9421 granules exclusively supplied to QPF.

Fields of Application

1. Cold & hot potable water systems.
2. Air conditioning systems.
3. Heating systems.
4. Healthy installation (Hospitals & Laboratories).
5. Industrial pipelines (Compressed air, Chemicals & Liquid food products).
6. Drainage systems for chemical plants & facilities.

Major properties

1. Resistance to electrochemical corrosion.
2. Low thermal conductivity.
3. Hygienic & non-toxic.
4. Resistance to stray electric current.
5. Easy workability & pipe laying.
6. Competitive prices.
7. Leak proof, frost resistance & energy saving.
8. Resistance to noise & vibration.
9. Extreme resistance to high pressure & temperature.
10. Low weight & flexibility.

Characteristic of PPRC Pipes

Property	Test Method	Unit	Value
Viscosity	ISO 1628 T3	.cm3/g	43
MFI (Melting Index)	ISO 1133 Procedure 18	.g/10m	0.5
MFI 190/5			0.3
MFI 230/2.16	ISO 1133 Procedure 12		1.5
Density at 23_C	ISO 1183	.g/cm3	0.898
Melting Zone	DIN 53736 B2	_C	150-154
Ultimate Strength	ISO 527	N/mm2	40
Ultimate Elongation	ISO 527	%	> 50
Modulus of Elasticity	ISO 527	N/mm2	700
Impact Test (Charpy)	DIN 8078		Non
Coefficient of Thermal Linear	VDE 0304	K-1	1.5x10-4
Expansion	Section 1 & 4		
Thermal Conductivity at 20_C	DIN 52612	W/mK	0.24
Specific Heat at 20_C	Adiabatic Calorimete	.kj/kg K	2.0
Loss Factor	DIN 53483		< 5x10-4
Dielectric Constant	DIN 53483		2.3
Volume Resistively	DIN 53482	Ohm cm	> 1x1016
Dielectric Strength	DIN 53481	.kV/mm	20

Connection method of COES by QADDCO

1. Cut the pipe using the cutting tool & check that the parts to be welded are clean from dust & grease.
2. The welding machine must be connected & switched on & with the suitable male & female dies until it reaches the required temperature.
3. The two pieces (The pipe & The fitting) are inserted into the dies to reach the melting point.
4. The two pieces are then inserted together as straight as possible without twisting & are left for gradual cooling which takes few moments only.
5. During connection the following precautions are to be taken into consideration.
   A. Do not use a blow torch flame to bend or shape the pipe.
   B. Do not try to fit any cast iron conical threads to the brass female end union.
   C. Realigning between the pipe & the fitting must be done immediately after welding & with angle not to exceed 30°.

DIN 8077 / 8078 COES by QADDCO			
Nominal Size (inch)	Outside Diameter (mm)	Wall Thickness (mm)	
		Class PN 10 Bar (SDR4)	Class PN 20 Bar (SDR6)
1/2"	20.0		3.4
3/4"	25.0		4.2
1"	32.0		5.4
1 1/4"	40.0	3.7	6.7
1 1/2"	50.0	4.6	8.4
2"	63.0	5.8	10.5
2 1/2"	75.0	6.8	12.5
3"	90.0	8.2	15.0
4"	110.0	10.0	18.4

All PPRC by Qaddco System is with twenty five years of Guaranty.

QPF Polyethylene (PE)

QPF manufactures polyethylene pipes system at both types high density polyethylene (HDPE) & low density polyethylene (LDPE) pipes & coils.

The polyethylene is a standard plastic piping system commonly used in the transport of hygienic liquids as water, oil & fuels. Also now it's used in the transport of gases especially in the petroleum industry.

The Polyethylene materials properties

Property	Method of Testing	Units	PE 40	PE 80	PE 100
Melt flow rate 2.16 kg LOAD	BS 2782 ISO 1133	.g/10 min	0.40	0.20	<0.15
Melt flow rate 5.0 kg load	BS 2782 ISO 113	.g/10 min	1.8	1.0	<0.5
Density	BS 3412 ISO 1872	.kg/m3	935	949	955
Tensile Strength at yield	BS 2782 ISO R 527	MPa	≥11	18	23
Elongation break	BS 2782 ISO R 527	%	≥ 600	>600	>600
Flexural modulus	BS 2782 ISO R 527	MPa	≥ 600	700	1000
VICAT softening point	BS 2782	°C	103	116	124
Brittleness Temperature	ASTM D 746 ISO 9784	°C	<-50	<-70	<-100
Linear thermal expansion	ASTM D 696	/°C	1.5 x 10-4	1.5 x 10-4	1.5 x 10-4
Thermal conductivity	BS 874 DIN 52612	W/m°K	0.4	0.4	0.4

A. Medium & High Density Polyethylene (MDPE & HDPE)

This an outstanding plastic materials that withstands extreme temperature conditions & has great universal chemical resistance of drain pipe materials. This HDPE pipes are manufactured with accordance to European, British & DIN Standards, with different types of polyethylene (PE 40, 63, 80 & 100) dependant on the use & the classification of the manufactured pipe. We supply fittings from Unidelta - Italy to complete the system.

The means of jointing in this type are butt fusion, electro fusion & compression systems (dependant of application).

QPF MDPE Pipes DIN 8074 / 8075 PE 80				
Outside Diameter (mm)	Wall Thickness (mm)			
	PN 4 Series 3	PN 6 Series 4	PN 10 Series 5	PN 16 Series 6
16.0	-	-	1.8	2.3
20.0	-	1.8	1.9	2.8
25.0	-	1.8	2.3	3.5
32.0	1.8	1.9	3.0	4.5
40.0	1.8	2.3	3.7	5.6
50.0	2.0	2.9	4.6	6.9
63.0	2.5	3.6	5.8	8.7
75.0	2.9	4.3	6.9	10.4
90.0	3.5	5.1	8.2	12.5
110.0	4.3	6.3	10.0	15.2

QPF HDPE Pipes DIN 8074 / 8075 PE 100				
Outside Diameter (mm)	Wall Thickness (mm)			
	PN 4 Series 3	PN 6 Series 4	PN 10 Series 5	PN 16 Series 6
3.20	-	-	-	3.0
40.0	-	-	-	3.7
50.0	-	-	-	4.6
63.0	-	-	3.0	5.8
75.0	-	-	3.8	5.8
90	-	-	5.4	8.2
110	-	-	6.6	10.0
125	-	-	7.4	11.4
160	-	-	9.5	14.6
180	-	-	10.7	16.4
200	-	-	11.9	18.2
225	-	-	13.4	20.5
250	-	-	14.8	22.7
280	-	-	16.6	25.4
315	-	-	18.7	28.6
355	-	-	21.1	32.2
400	-	-	23.7	36.3

QPF HDPE Pipes BS 3284: 1967			
Nominal Size (inch)	Outside Diameter (mm)	Wall Thickness (mm)	
		Class C	Class D
$^{3}/_{8}$"	17.0	-	1.9
.50"	21.2	1.8	2.3
.75"	26.6	2.3	2.9
1"	33.4	2.8	3.7
$1^{1}/_{4}$"	42.5	3.6	4.6
$1^{1}/_{2}$"	48.1	4.1	5.3
2"	60.1	5.1	6.6
3"	88.6	7.5	9.7
4"	113.6	9.6	

- The standard length : from 100 meters/coil dependent on size of the pipe.
- The standard color : Black & Yellow for gas lines.

QPF PLASTIC FITTINGS

QPF is the first Qatari manufacturer of plastic fittings that covers the drainage, sewer and electrical systems. With wide range that reflects the best quality that matches to the international standards. with the brand name QADDCO

The systems that QPF is providing are:

A. PVC Underground drainage system (BS 4660)

B. PVC Aboveground drainage Soil (BS 4514).

C. PVC Aboveground drainage waste (BS 5255).

In QPF fittings are been tested with our new highly technical quality laboratory where strict testing standards are been followed dependant on each application.

QADDCO uPVC FITTINGS

Above Ground Drainage Waste BS 5255 Fittings		
DESCRIPTION	**SIZE**	**PICTURE**
Elbow 90	**$1^1/_2$"**	
	2"	
Elbow 45	**$1^1/_2$"**	
	2"	
Branch 90	**$1^1/_2$"**	
	2"	
Branch 45	**$1^1/_2$"**	
	2"	
Socket	**$1^1/_2$"**	
	2"	

QADDCO uPVC FITTINGS

Above Ground Drainage Soil BS 4514 Fittings		
DESCRIPTION	**SIZE**	**PICTURE**
Elbow 90	3“	
	4“	
	6“	
Elbow 45	3“	
	4“	
	6“	
Branch 45	3“	
	4“	
	6“	
Branch 90	3“	
	4“	
	6“	
Socket	3“	
	4“	
	6“	
Trapped Floor Gully	4“	
End Cap	4“	

QADDCO uPVC FITTINGS

Underground Drainage System BS 4660 Fittings		
DESCRIPTION	**SIZE**	**PICTURE**
Elbow 90	**4“**	
	6“	
Branch 90	**4“**	
	6“	
Branch 45	**4“**	
	6“	
Elbow 45	**4“**	
	6“	
P Trap Gully	**4“**	
End Cap	**4“**	

Projects in which QADDCO U-PVC Plumbing & Drainage System used (in co-operation with: 'Marley – U. K.')

1. Doha Asian Games Village (Hamad Medical City)
2. Khalifa Sports City
3. Pearl – Qatar
4. Al – Mirqab Twin Towers
5. Al – Jazeera Tower
6. Al – Dana Tower
7. Beverly Hills Complex
8. Silhouette Tower
9. Al - Seal Tower
10. Al - Rayyan Hotel Tower
11. Regency Hotel Tower
12. Qatar Gas Housing Camp
13. Mesaieed Housing Project
14. Al - Khor Housing Project
15. Dukhan Housing Project
16. Ras Laffan Onshore Expansion Project
17. Q-Chem : II Project
18. QP Field Support Facilities Project
19. More Than 30 Schools around Doha City

Projects in which PPRC - Cold & Hot Water Installation System used

1. West - Bay Complex Tower
2. Al – Emadi Hospital
3. Education City – Weil Cornel Medical College
4. Khalifa Sports City
5. Laqta – 100 Villas Residential Compound
6. Doha Racing & Equestrian Club
7. Abdul Ghani Tower
8. Al - Dana Tower
9. Al - Zaabi Tower
10. Umm Bab Tower
11. Ras Abu Fantas Power Station
12. More Than 30 Schools around Doha City

Projects using High Pressure System (in co-operation with 'COMER' - Italy)

1. Horse Race Club (Al - Furusia)
2. Al – Sharq Villegio (S. P. A.)
3. Dolphin – Ras Laffan Facility Work
4. Ahmed Bin Ali Street
5. West - Bay Road Works & Infrastructure Project
6. New Doha International Airport
7. Pearl – Qatar
8. Dolphin Ras Laffan Project
9. Al – Wassail City Infrastructure
10. Umm Obayriah Farm at Umm Salal Ali
11. Al – Wajba Palace
12. Al – Dana Tower
13. Marriott Gulf Hotel

Projects using Electrical Ducts & Q-Tel Ducts (according to KAHRAMAA, Q-Tel & QCS Standards)

1. Salwa International Highway Project
2. Dukhan Highway Project
3. Salah Al – Deen Street
4. Musaimeer Street
5. West - Bay Road Works & Infrastructure Project
6. New Doha International Airport
7. Pearl – Qatar
8. Dolphin Ras Laffan Project
9. Al – Wassail City Infrastructure

MARLEY
Plumbing & Drainage Solutions

1st January 2016

We hereby certify that

Qatar Pipeline & Fitting Co. (QPF)

have undergone an audit of their production methods and processes and have been granted permission by Marley Plumbing & Drainage to brand PVC-u drainage pipe as follows:

"BS EN 1401 (formerly BS4660), BS EN 1329 (formerly BS4514 and BS5255) Pipe made in Qatar by QPF in co-operation with Marley UK"

This agreement is valid from 1st January 2016 to 31st December 2016 when it is subject to re-audit.

On behalf of Marley Plumbing & Drainage

Mr K Williams, Commercial Director

Date: 4th January 2016

Marley Plumbing & Drainage Lenham Maidstone Kent ME17 2DE England Tel: +44 (0)1622 858 888 Fax: +44 (0)1622 858 725

BUREAU VERITAS

Certificate of Conformity

Certificate No. BVI.DOA 22.IND.050.09A.CPC.002.00.YS

Certification Body	:	Bureau Veritas International Doha W.L.L
Client	:	Qatar Pipeline & Fitting Co.(QPF)
Client Address	:	Industrial Area Street 48, Doha, Qatar
Application No.	:	BVI.DOA.22.IND.050
Job Description	:	Conformity assessment of a product
Product Name	:	**UPVC Duct Pipes for Electrical & Telecommunication Application**
Product range	:	25mm to 315mm (3/4" – 12"), Duct 54 (QD54) & Duct 56 (QD56)
Date of Inspection	:	10/01/2023
Date of Certification Granted	:	16 January 2023

Scope of Certification:

1. Review Quality Plan
2. Review QA/QC Procedures
3. Review Personnel Competency
4. Carry out a site visit during production
5. Review test equipment & calibration record

Documents Referenced:

1. QPF Internal Specification for UPVC Duct Pipes: QAD/QPF/IS-01/R01
2. QPF Quality Work Manual for UPVC Duct Pipes QAD/QC/WM-01 Rev.01

Certificate Validity	:	15 January 2024
Inspection Evaluated by	:	Yogesh Sahib
Reviewer	:	Mayur Patel
Issuer ☐ Technical Manager	:	Mayur Patel
☒ Deputy to Technical Manager		
Issue Date	:	19 January 2023
Certificate Number	:	BVI.DOA 22.IND.050.09A.CPC.002.00.YS
Inspection Center	:	Bureau Veritas International Doha W.L.L

BUREAU VERITAS SURVEYOR AT WORK 44 PARIS 1828 QATAR

This note is issued further to an inspection whose duration and scope were limited by the terms and conditions of the contract with BV principal. This note is NOT an indication that the item(s) is (are) fit for any specific purpose and does not release the manufacturer, supplier and any party from their respective duty, guarantee, obligation and/or indemnity relating to, without limitation, patents, workmanship, materials, safety, performance in operation and /or reliability

IND-CoC-01 Rev 02 19 Aug. 2022

KAHRAMAA الهيئة العامة القطرية للكهرباء والماء Qatar General Electricity & Water Corporation

Approval Ref. : 04 / 2001
Date : 27-08-2001

Certificate Of Approval

Commercial Name : M/s. Qatar Plastic Additives Co., State Of Qatar

This is to certify that the above mentioned commercial name is approved to be used in The State Of Qatar for the following items :

UPVC Electrical Cable Duct Size 110 And 160 mm,
Standard Length : 5.80 – 6.00 Mtrs., Color : Grey.

Note :

This Certificate Of Approval Is Valid For Only Two (02) Years Starting From The Date Of This Certificate.

Any modifications on the product must be informed to the department to update the above approval.

Eng. Ahmed Ali Al – Muhannadi,
Acting Manager, Customer Services Department

Head, Installation Section

MW

P.O. Box: 41 Doha- Qatar Tel: 4628266 Fax: (0974) 4628294 Customer Services Department

KAHRAMAA الهيئة العامة القطرية للكهرباء والماء Qatar General Electricity & Water Corporation

Approval Ref. : 01 / 20002
Date : 14-08-20002

Certificate Of Approval

Commercial Name : Qatar Plastic Additives Co.

This is to certify that the above mentioned commercial name is approved to be used in The State Of Qatar for the following items :

Polypropylene Pipes & Fittings , Coprax

The approval diameters for the above product are:
Internal Diameters in inch : (3/8, ½, 3/4 , 1 , 1 ¼ ,1 ½ ,2 , 2 ½ , 3 & 4)
External Diameters in mm : (16 , 20 , 25 , 32 , 40 , 50 , 63 , 75 , 90 & 110)

Note :

This Certificate Of Approval Is Valid For Only One (01) Year From The Date Of This Certificate.

Any modifications on the product must be informed to the department to update the above approval.

Eng. Ahmed Ali Al Mohannadi
Acting Manager, Customer Services Department

Head, Installation Section

P.O. Box: 41 Doha- Qatar Tel: 4628266 Fax: (0974) 4628294 Customer Services Department

Certificate No: CP 034

Validity: 14-01-2006*
Issued : 14-07-2005

الهيئة العامة القطرية للمواصفات والمقاييس
Qatar General Organization for Standards & Metrology
شهادة مطابقة
CERTIFICATE OF CONFORMITY
FOR
THE TECHNICAL REQUIREMENTS IN THE FIELD OF
CONSTRUCTION & BUILDING PRODUCTS MANUFACTURER / SUPPLIER

Products : UPVC Electrical Cable Ducts (Grey Colour) 160x3.6 mm

Manufacturer : Qatar Plastic Additives Company

Supplier : Qatar Plastic Additives Company
P.O.Box 40290
Doha-Qatar
Tel: 4603773 Fax: 4603993

Condition : The above product has been tested in accordance with standard regimes for physical properties and found to be in conformance with specified requirements of the products specification as per BS 4514.

Requirement	Physical Properties	Test Results (Lab. Ref. No. 2005/1814)	Specification BS 4514
Dimensions	Diameter - Nominal Size (inch)	6	-
	- Outside (mm)	160	-
	- Inside (mm)	153	-
	Wall Thickness (mm)	3.6	-
Heat Revision	Change in length (%)	2	5
Impact Resistance		Pass	Pass

* Notes :
(1) Qatar General Organization for Standards & Metrology (QGOSM)has no any responsibility for supplying of modified or poor quality products by the manufacturer/supplier during the validity period.
(2) It is important to apply for renewal of conformity two weeks before expiry of validity of this certificate.
(3) The required fee of this certificate has been stated according to the decision No. 2004(76) of H.E. the Minister of Economic & Commerce.

Recommended by : Eng. Essa A. Hussain, Quality Mark

Authorized by : Eng. Moh'd Saud Al-Hussaiam, Director of Quality & Conformity Dept.

Approved by
Dr. Moh'd Bin Saif Al-Kuwari
General Director
QGOSM

تليفون : ٤٤٠٨٥٥٥ - فاكس : ٤٤٧٩٣٥٧ - ص . ب : ٢٣٢٧٧ - الدوحة - قطر
Tel. : 4408555 - Fax : 4479357 - P.O.Box : 23277 - Doha - Qatar

الهيئة العامة
القطرية للمواصفات والمقاييس
موافقة APPROVAL

Approval No: CP 0114

Validity : 25-02-2004 **
Issued : 25-08-2003

CONSTRUCTION PRODUCT SUPPLY

Products : UPVC Pressure Pipes : 1 ¼", 2", 3" & 4" inch dia.

Manufacturer : Qatar Plastic Additives Co.

Supplier : Qatar Plastic Additives Co.
P.O. Box 40290
Doha - Qatar

Tel : 4603773 Fax : 4603993

Condition : The above products have been tested in accordance with standard regimes and found to be in conformance with specified requirements and/or product specifications. This certificate shall remain valid for the period shown provided that the specification of the product remains unchanged by the manufacturer and the material supplied or used for construction purposes is of similar quality.

**Note: It is important to apply for certificate renewal two months before expiry of validity of this certificate.

Authorized by:
Dr. Amer A. Kelzieh
Senior Materials Engineer
(Lab Ref. No. 2003/4303, 4304, 4305 & 4306)

Approved by:
Eng. Nawaf Al-Mana
Central Laboratories & Calibration

Tel.: 4682358 Fax : 4682564 P.O.Box : 23277 Doha - Qatar

Materials Laboratory Division
قسم المواد والمختبر المركزي

وزارة الشؤون البلدية والزراعة
شهادة موافقة APPROVAL Certificate

Certificate No: CP 0098

Validity : 01-06-2003 **
Issued : 01-06-2002

CONSTRUCTION PRODUCT SUPPLY

Products : Polyprophylene (pp) Pipes : 20, 25, 40 & 50 mm dia.

Manufacturers : Qatar Plastic Additives Co.

Supplier : Qatar Plastic Additives Co.
P.O. Box 40290
Doha – Qatar

Tel : 4603773 Fax : 4603993

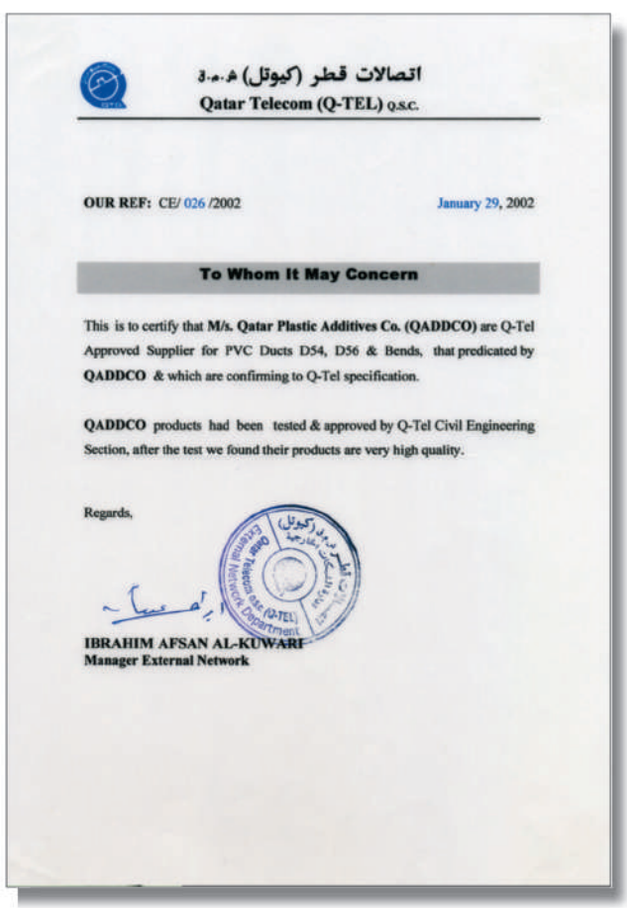
Condition : The above products have been tested in accordance with standard regimes and found to be in conformance with specified requirements and/or product specifications. This certificate shall remain valid for the period shown provided that the specification of the product remains unchanged by the manufacturer and the material supplied or used for construction purposes is of similar quality.

**Note: It is important to apply for certificate renewal two months before expiry of validity of this certificate.

Authorized by:
Dr. Amer A. Kelzieh
Senior Materials Engineer
(Lab Ref. No. 2003/2362, 2363, 2364 & 2365)

Approved by:
Dr. Moh'd Saif Al-Kuwari
Head of Materials & Laboratory Division

Ministry of Municipal Affairs & Agriculture - MO
Tel.: 682358 Fax: 682564 P.O. Box : 22188 Doha - Qatar



اتصالات قطر (كيوتل) ش.م.ق
Qatar Telecom (Q-TEL) Q.S.C.

OUR REF: CE/ 026 /2002 January 29, 2002

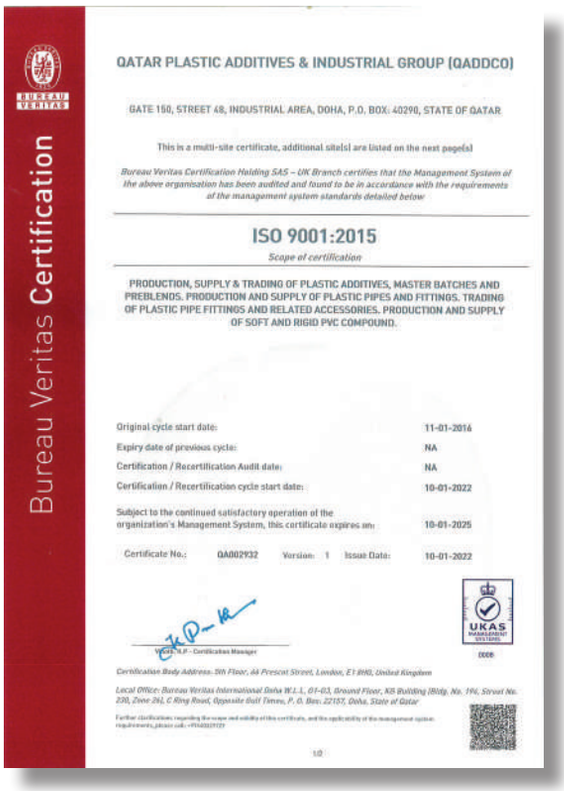
To Whom It May Concern

This is to certify that **M/s. Qatar Plastic Additives Co. (QADDCO)** are Q-Tel Approved Supplier for PVC Ducts D54, D56 & Bends, that predicated by **QADDCO** & which are confirming to Q-Tel specification.

QADDCO products had been tested & approved by Q-Tel Civil Engineering Section, after the test we found their products are very high quality.

Regards,

IBRAHIM AFSAN AL-KUWARI
Manager External Network



Bureau Veritas Certification

QATAR PLASTIC ADDITIVES & INDUSTRIAL GROUP (QADDCO)

GATE 150, STREET 48, INDUSTRIAL AREA, DOHA, P.O. BOX: 40290, STATE OF QATAR

This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

PRODUCTION, SUPPLY & TRADING OF PLASTIC ADDITIVES, MASTER BATCHES AND PREBLENDS. PRODUCTION AND SUPPLY OF PLASTIC PIPES AND FITTINGS. TRADING OF PLASTIC PIPE FITTINGS AND RELATED ACCESSORIES. PRODUCTION AND SUPPLY OF SOFT AND RIGID PVC COMPOUND.

Original cycle start date:	11-01-2016
Expiry date of previous cycle:	NA
Certification / Recertification Audit date:	NA
Certification / Recertification cycle start date:	10-01-2022
Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on:	10-01-2025

Certificate No.: QA002932 Version: 1 Issue Date: 10-01-2022

Head, K.P - Certification Manager

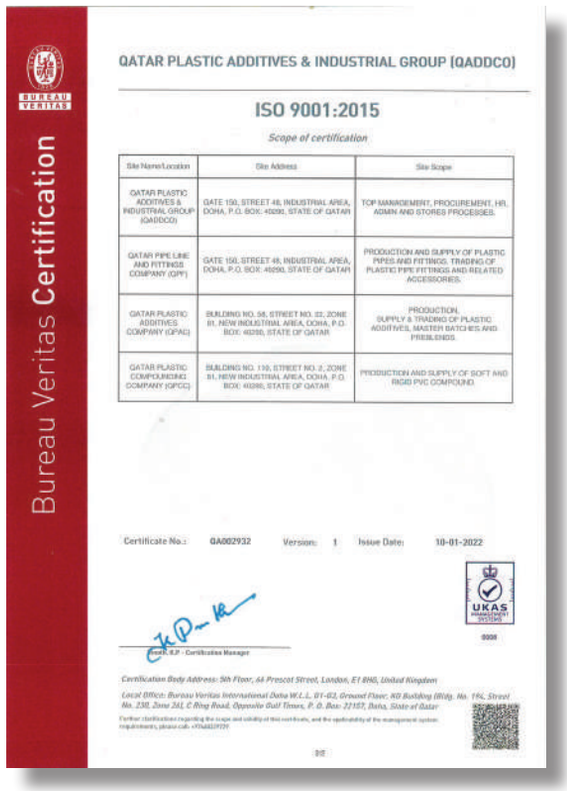
UKAS MANAGEMENT SYSTEMS 0008

Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: Bureau Veritas International Doha W.L.L, 01-03, Ground Floor, KB Building (Bldg. No. 196, Street No. 230, Zone 26), C Ring Road, Opposite Gulf Times, P. O. Box: 22157, Doha, State of Qatar

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +97144229729

1/2



Bureau Veritas Certification

QATAR PLASTIC ADDITIVES & INDUSTRIAL GROUP (QADDCO)

ISO 9001:2015

Scope of certification

Site Name/Location	Site Address	Site Scope
QATAR PLASTIC ADDITIVES & INDUSTRIAL GROUP (QADDCO)	GATE 150, STREET 48, INDUSTRIAL AREA, DOHA, P.O. BOX: 40290, STATE OF QATAR	TOP MANAGEMENT, PROCUREMENT, HR, ADMIN AND STORES PROCESSES.
QATAR PIPE LINE AND FITTINGS COMPANY (QPF)	GATE 150, STREET 48, INDUSTRIAL AREA, DOHA, P.O. BOX: 40290, STATE OF QATAR	PRODUCTION AND SUPPLY OF PLASTIC PIPES AND FITTINGS. TRADING OF PLASTIC PIPE FITTINGS AND RELATED ACCESSORIES.
QATAR PLASTIC ADDITIVES COMPANY (QPAC)	BUILDING NO. 56, STREET NO. 22, ZONE 61, NEW INDUSTRIAL AREA, DOHA, P.O. BOX: 40290, STATE OF QATAR	PRODUCTION, SUPPLY & TRADING OF PLASTIC ADDITIVES, MASTER BATCHES AND PREBLENDS.
QATAR PLASTIC COMPOUNDING COMPANY (QPCC)	BUILDING NO. 110, STREET NO. 2, ZONE 61, NEW INDUSTRIAL AREA, DOHA, P.O. BOX: 40290, STATE OF QATAR	PRODUCTION AND SUPPLY OF SOFT AND RIGID PVC COMPOUND.

Certificate No.: QA002932 Version: 1 Issue Date: 10-01-2022

Head, K.P - Certification Manager

UKAS MANAGEMENT SYSTEMS 0008

Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: Bureau Veritas International Doha W.L.L, 01-03, Ground Floor, KB Building (Bldg. No. 196, Street No. 230, Zone 26), C Ring Road, Opposite Gulf Times, P. O. Box: 22157, Doha, State of Qatar

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +97144229729

2/2

DBS CERT

CERTIFICATE

This is to Certify that

Occupational Health and Safety Management System

of

QATAR PIPE LINE AND FITTINGS COMPANY (QPF)

Building No. 150, Street 48, Industrial Area Po Box 40290 Doha Qatar

has been independently assessed by DBS and is comply with the requirement of:

ISO 45001:2018

For the following scope of activities:

Production and Supply of Plastic Pipes and Fittings, Trading of Plastic Pipes, Fittings and Related Accessories.

Certificate Number: HS-205022012006

Date of Certification:	**20th January 2022**
1st Surveillance Audit Due:	**19th January 2023- Done**
2nd Surveillance Audit Due:	**19th January 2024- Not Done**
Certificate Expiry:	**19th January 2025**
Re-Certificate Due:	**19th January 2025**

This Certificate is property of DBS Certifications and remains valid subject to satisfactory surveillance audits

Head of Certification

IAS ACCREDITED MSCB-157 IAF DBS

The certificate remains the property of DBS Certifications Private Limited, to whom it must be returned upon request.

DBS CERTIFICATIONS PVT. LTD.
142, IInd Floor, Aviar Enclave, Paschim Vihar, Delhi-110063, (INDIA) info@dbscertification.com, www.dbscertification.com
ACCREDITED BY :
International Accreditation Service (IAS) 3060, Saturn Street Suite 100, Brea, Ca 92821-5732, United States of America
Qatar Office Address: www.iqs.com.qa Tel: 44981968/66188236 Email: info@iqs.com.qa

DBS CERT

CERTIFICATE

This is to Certify that

Environmental Management System

of

QATAR PIPE LINE AND FITTINGS COMPANY (QPF)

Building No. 150, Street 48, Industrial Area Po Box 40290 Doha Qatar

has been independently assessed by DBS and is comply with the requirement of:

ISO 14001:2015

For the following scope of activities:

Production and Supply of Plastic Pipes and Fittings, Trading of Plastic Pipes, Fittings and Related Accessories.

Certificate Number: E-205022012005

Date of Certification:	**20th January 2022**
1st Surveillance Audit Due:	**19th January 2023- Done**
2nd Surveillance Audit Due:	**19th January 2024- Not Done**
Certificate Expiry:	**19th January 2025**
Re-Certificate Due:	**19th January 2025**

This Certificate is property of DBS Certifications and remains valid subject to satisfactory surveillance audits

Head of Certification

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ACCREDITED BY :
International Accreditation Service (IAS) 3060, Saturn Street Suite 100, Brea, Ca 92821-5732, United States of America
Qatar Office Address: www.iqs.com.qa Tel: 44981968/66188236 Email: info@iqs.com.qa




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Tel.: +974 - 4460 3773/3883 Fax: +974 - 4460 3993
P O Box 40290, Doha - Qatar, eMail: enquiry@qaddcoqatar.com / qaddcont@qatar.net.qa

ISO 9001
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