

thermotech

The Name of Quality

An ISO Certified Company

PRODUCT CATALOGUE

PPR | PVC-U | HDPE | PIPES & FITTINGS



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PPR

Hot & Cold water Plumbing Solution

HDPE

Water & Gas Piping System

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PVC-U Piping System

PVC-U - Pressure piping system

PVC-U - Non pressure & Industrial Application

PVC-U - Underground drainage system

PVC-U - Soil & Waste Water Discharge

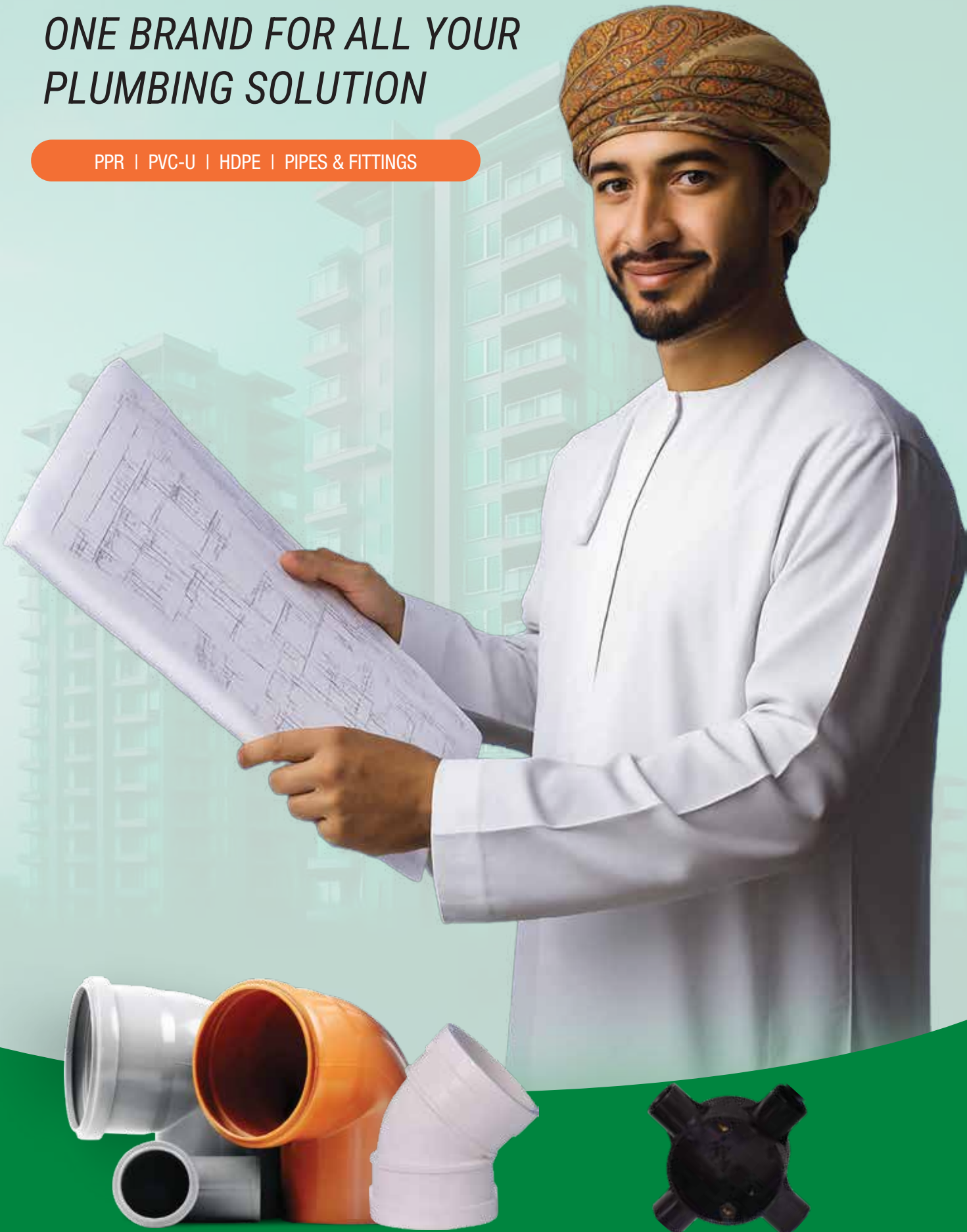
PVC-U - Cable Management System



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ONE BRAND FOR ALL YOUR PLUMBING SOLUTION

PPR | PVC-U | HDPE | PIPES & FITTINGS



THERMOTECH - ENGINEERING EXCELLENCE IN PIPING SOLUTIONS

Welcome to Thermotech, where precision engineering meets unwavering quality in the realm of advanced piping solutions. With a robust infrastructure spanning 150,000 square feet and an impressive annual processing capacity of 15,000 metric tonnes, we stand as a pillar of reliability in Oman's thriving industrial landscape. Our state-of-the-art facility represents a commitment to excellence that extends beyond manufacturing—it's a promise of innovation, durability, and performance.

At Thermotech, we specialize in a comprehensive range of premium piping systems designed to meet the diverse needs of modern construction and infrastructure projects. Our product portfolio encompasses PPR pipes and fittings for plumbing and heating applications, UPVC pipes and fittings for water supply and drainage systems, electrical conduit pipes and fittings for safe cable management, as well as HDPE and high-pressure pipes engineered for demanding industrial applications. Each product line reflects our dedication to delivering solutions that combine technical superiority with long-lasting performance.

Quality is not just a standard at Thermotech—it's our foundation. Our world-class quality testing laboratory, equipped with cutting-edge technology and operated by skilled professionals, ensures that every product leaving our facility meets the most stringent international standards. Through rigorous testing protocols and meticulous quality control, we guarantee that our pipes and fittings deliver exceptional performance, safety, and reliability in every application.

As we continue to grow and innovate, Thermotech remains committed to supporting Oman's vision for sustainable development and industrial progress. We don't just manufacture pipes—we engineer the pathways that connect communities, power industries, and build the infrastructure of tomorrow. Experience the Thermotech difference, where quality, capacity, and expertise converge to create piping solutions you can trust.

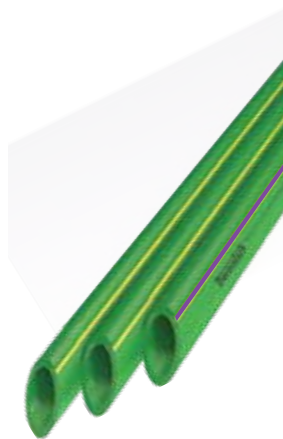
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Our plastic factory boasts an impressive 150,000 square feet of advanced manufacturing space in Sumail Industrial City. Equipped with cutting-edge German high-tech machinery, we ensure that every product bears the hallmark of quality and excellence. Our team of highly skilled professional engineers and technical experts brings decades of collective experience to every product we create. By harnessing advanced German technology, we elevate our product quality, efficiency, and time management to unprecedented levels. Our plastic factory symbolizes Oman's journey towards self-sufficiency, contributing to the growth of the nation's manufacturing sector. Strengthening Local Industries: By producing premium plastic products on home soil, we invigorate local economies and contribute to Oman's industrial resilience. Beyond Building Materials: Our successful ventures include Aluminium Composite Panel factory that redefine architecture, Sarooj Water that quenches Oman's thirst, and an upcoming Ice Cream Factory that promises sweet delights.

P.P.R PIPES



SIZE (mm)	QTY (MTR)	BAG (NOS)
20	100	25
25	100	25
32	60	15
40	40	10
50	20	5
63	12	3
75	12	3
90	8	2
110	4	1
125*	4	1
140*	4	1
160*	4	1

1. PP-R MONO LAYER PIPES (PN 16 / 20 / 25)

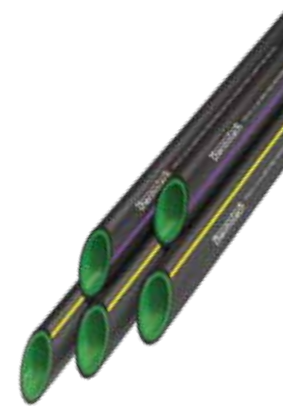
2. PP-RCT MONO LAYER (PN 20 / 25)



SIZE (mm)	QTY (MTR)	BAG (NOS)
20	100	25
25	100	25
32	60	15
40	40	10
50	20	5
63	12	3
75	12	3
90	8	2
110	4	1
125*	4	1
140*	4	1
160*	4	1

1. PP-RUV MONO LAYER (PN 16 / 20 / 25)

2. PP-RCT UV MONO LAYER (PN 20 / 25)



SIZE (mm)	QTY (MTR)	BAG (NOS)
20	100	25
25	100	25
32	60	15
40	40	10
50	20	5
63	12	3
75	12	3
90	8	2
110	4	1
125	4	1
140	4	1
160	4	1

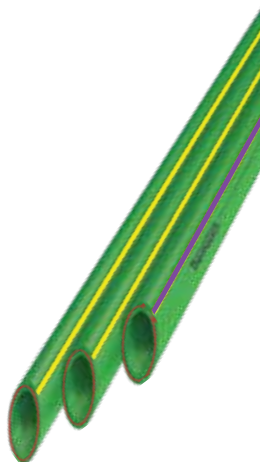
1. PPR UV LAYERED PIPES (PN 16 / 20 / 25)

2. PP-RCT UV LAYERED PIPES (PN 20 / 25)



SIZE (mm)	QTY (MTR)	BAG (NOS)
20	100	25
25	100	25
32	60	15
40	40	10
50	20	5
63	12	3
75	12	3
90	8	2
110	4	1
125	4	1
140	4	1
160	4	1

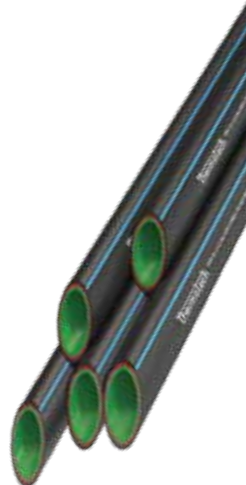
PP-R ANTIMICROBIAL PIPES (PN 16/20/25)



SIZE (mm)	QTY (MTR)	BAG (NOS)
20	100	25
25	100	25
32	60	15
40	40	10
50	20	5
63	12	3
75	12	3
90	8	2
110	4	1
125*	4	1
140*	4	1
160*	4	1

1. PP-R MULTI LAYER PIPES(PN 16 / 20 / 25)

2. PP-RCT MULTI LAYER PIPES (PN 20 / 25)



SIZE (mm)	QTY (MTR)	BAG (NOS)
20	100	25
25	100	25
32	60	15
40	40	10
50	20	5
63	12	3
75	12	3
90	8	2
110	4	1
125*	4	1
140*	4	1
160*	4	1

PPR MULTI - LAYER UV PIPES (PN 16/20/25)



SIZE (mm)	QTY (MTR)	BAG (NOS)
20	100	25
25	100	25
32	60	15
40	40	10
50	20	5
63	12	3
75	12	3
90	8	2
110	4	1
125*	4	1
140*	4	1
160*	4	1

MULTI - LAYER ANTIMICROBIAL
PIPES (PN 16/20/25)



SAFE & CLEAN

Water Quality

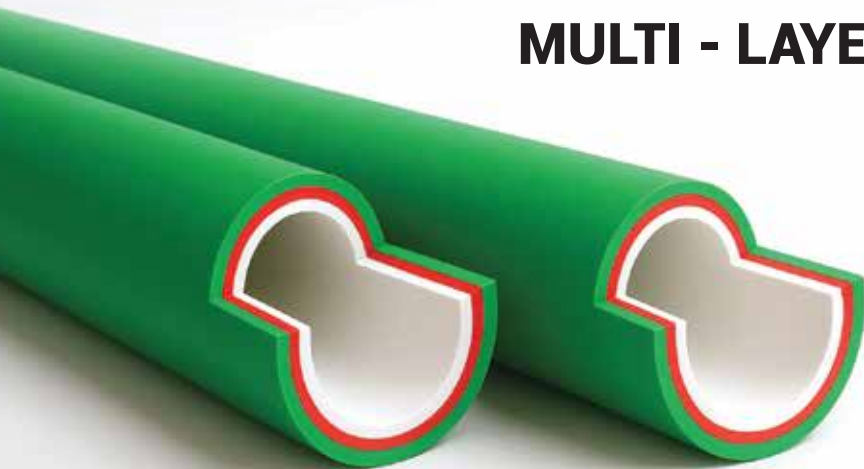
- Odor & Taste Neutral
- Chemical Resistance
- Hygienic
- No Toxic Leaching
- Bacteria Growth Prevention
- Long-Term Water Purity



MULTI - LAYER ANTIMICROBIAL PIPES

Advance Technology Pipes

- Advance Technology Pipes
- Multi-Layer Reinforced Structure
- Antimicrobial Protection
- Safe for Drinking Water
- Chemical & Corrosion Resistant
- High Pressure Performance
- Less Linear Thermal Expansion
- Less Number of Pipe Support



P.P.R FITTINGS

ELBOW 90°



Size (mm)	20	25	32	40	50	63	75	90	110	125	140	160
PKT	60	40	20	10	6	4	4	1	1	1	1	1
Box	180	120	60	30	18	12	8	3	2	1	1	1

ELBOW 45°



Size (mm)	20	25	32	40	50	63	75	90	110	125	140	160
PKT	80	50	25	15	8	4	3	2	1	1	1	1
Box	240	150	75	45	24	12	9	6	3	1	1	1

SOCKET



Size (mm)	20	25	32	40	50	63	75	90	110	125	140	160
PKT	80	50	25	15	8	4	3	2	1	1	1	1
Box	240	150	75	45	24	12	9	6	3	1	1	1

EQUAL TEE



Size (mm)	20	25	32	40	50	63	75	90	110	125	140	160
PKT	80	50	25	15	8	4	3	2	1	1	1	1
Box	240	150	75	45	24	12	9	6	3	1	1	1

REDUCER ELBOW



Size (mm)	25x20	32x25	40x32
Bag	50	30	10
Box	150	90	30

REDUCER TEE



SIZE (mm)	PKT	BOX
25x20x25	80	240
32x20x32	60	120
32 x25x32	40	120
40x20x40	30	90
40 x25x40	30	90
40x32x40	25	75
50x20x50	20	60
50x25x50	20	60
50x32x50	10	40
50x40x50	10	30
63x25x63	10	30
63x32 x63	10	30
63x40x63	10	24
63x50x63	8	18
75x32x75	6	18
75x50x75	6	18
75x63x75	6	18
90x50x90	4	12
90x63x90	4	12
90x75x90	4	12
110x63x110	3	9
110x75x110	3	9
110x90x110	3	9
125x110x125	1	1
125x90x125	1	1
125x75x125	1	1
125x63x140	1	1
140x125x140	1	1
140x110 x140	1	1
140x90x140	1	1
140x75x 140	1	1
160x140x160	1	1
160x125x160	1	1
160x110x160	1	1
160x90x160	1	1

REDUCER



SIZE (mm)	PKT	BOX
25x20	80	240
32x20	60	120
32 x25	40	120
40x20	30	90
40x25	30	90
40x32	25	75
50x20	20	60
50x25	20	60
50x32	10	40
50x40	10	30
63x25	10	30
63x32	10	30
63x40	10	24
63x50	8	18
75x32	6	18
75x50	6	18
75x63	6	18
90x50	4	12
90x63	4	12
90x75	4	12
110x63	3	9
110x75	3	9
110x90	3	9
125x110	1	1
125x90	1	1
125x75	1	1
125x63	1	1
140x125	1	1
140x110	1	1
140x90	1	1
140x75	1	1
160x140	1	1
160x125	1	1
160x110	1	1
160x90	1	1

FEMALE ELBOW



Size (mm)	20 x ½"	25 x ½"	25 x ¾"	32 x ½"	32 x ¾"	32 x 1"
PKT	40	40	30	20	20	10
Box	120	120	90	60	60	40

MALE ELBOW



Size (mm)	20 x ½"	25 x ½"	25 x ¾"	32 x ½"	32 x ¾"	32 x 1"
PKT	40	40	30	20	20	10
Box	120	120	90	60	60	40

FEMALE TEE



Size (mm)	20 x ½"	25 x ½"	25 x ¾"	32 x ½"	32 x ¾"	32 x 1"
PKT	40	20	20	10	10	10
Box	120	80	60	40	40	30

FEMALE ELBOW WITH WALL DISK



Size (mm)	20 x ½"	25 x ½"	25 x ¾"
PKT	25	25	20
Box	100	100	75

MALE ELBOW WITH WALL DISK



Size (mm)	20 x ½"	25 x ½"	25 x ¾"
PKT	25	25	20
Box	100	100	75



FEMALE ADAPTER



Size (mm)	20x½"	25x½"	25x¾"	32x¾"	32x1"	40x1¼"	50x1½"	63x2"	75x2½"	90x3"	110x4"	125x5"	140x6"	160x8"
PKT	50	40	30	20	20	10	8	4	3	2	1	1	1	1
Box	150	120	90	60	60	30	24	12	10	6	2	1	1	1

MALE ADAPTER



Size (mm)	20x½"	25x½"	25x¾"	32x¾"	32x1"	40x1¼"	50x1½"	63x2"	75x2½"	90x3"	110x4"	125x5"	140x6"	160x8"
PKT	50	40	30	20	20	10	8	4	3	2	1	1	1	1
Box	150	120	90	60	60	30	24	12	10	6	2	1	1	1

FEMALE ADAPTOR WITH UNION



Size (mm)	20x½"	25x½"	25x¾"	32x1"	40x1¼"	50x1½"	63x2"
Box	140	80	80	30	20	15	16

MALE ADAPTOR WITH UNION



Size (mm)	20x½"	25x½"	25x¾"	32x1"	40x1¼"	50x1½"	63x2"
Box	140	80	80	30	20	15	16

DOUBLE FEMALE ELBOW



Size (mm)	25x½"
PKT	10
Box	30

CLIP



Size (mm)	20	25	32	32	40	50
PKT	400	200	200	200	70	50
Box	1200	600	600	40	280	200

BRIDGE



Size (mm)	20	25	32
Box	75	50	30
-	-	-	-

BRIDGE WITH SOCKET



Size (mm)	20	25	-
Box	100	60	-
-	-	-	-

SHORT BRIDGE



Size (mm)	20	25	-
Box	150	90	-
-	-	-	-

SPHERICAL VALVE



Size (mm)	20	25	32	40	50	63	75
Box	70	25	15	10	5	5	3
-	-	-	-	-	-	-	-

CHROME VALVE



Size (mm)	20	25	32
Box	20	20	20
-	-	-	-

BRASS VALVE METAL HANDLE



Size (mm)	20	25	32	40	50	63	75
Box	70	50	30	16	12	8	5
-	-	-	-	-	-	-	-

PIPE PLUG



Size (mm)	1/2"	3/4"	1"
Bag	200	120	120
Box	600	360	240

PLASTIC BALL VALVE

(Only Cold Water)



Size (mm)	20	25	32	40	50	63	-
Bag	25	20	12	5	5	2	-
Box	100	60	36	25	15	8	-

PLASTIC UNION

(Only Cold Water)



Size (mm)	20	25	32	40	50	63
PKT	40	20	12	8	3	4
Box	120	60	36	24	15	12



STOP VALVE



Size (mm)	20	25	32	40	50	63	75
Box	40	40	30	24	15	8	6
-	-	-	-	-	-	-	-

FLANGE ADAPTOR



Size (mm)	63	75	90	110	125	140	160
Bag	2	1	2	3	1	1	1
Box	10	5	5	5	1	1	1

PIPE CUTTER

SIZES

20 - 40



SIZES

50 - 110



WELDING MACHINE

SIZES

20 - 40

20 - 63

50 - 125



HOLE REPAIRING KIT



Welding Machine above
125 mm can be provided on request.



POLYETHYLENE PIPES



PE (POLYETHYLENE) PIPES FOR WATER SUPPLY - AS PER ISO 4427 & DIN 8074 PIPE THICKNESS (mm)

Series / SDR		S3.2/SDR7.4		S4/SDR 9		S5/SDR11		S6.3/SDR13.6		S8/SDR17		S10/SDR21		S12.5/SDR26	
Material- PE 100		PN25		PN20		PN16		PN12.5		PN10		PN8		PN6	
Material- PE 80		PN20		PN16		PN12.5		PN10		PN8		PN6		PN5	
S.N O	Pipe Size OD (mm)	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
1	20+0.3	3.0	3.4	2.3	2.7	2.0	2.3	1.8	2.1	-	-	-	-	-	-
2	25 + 0.3	3.5	4.0	3.0	3.4	2.3	2.7	2.0	2.3	1.8	2.1	-	-	-	-
3	32 + 0.3	4.4	5.0	3.6	4.1	3.0	3.4	2.4	2.7	2.0	2.3	-	-	-	-
4	40 + 0.4	5.5	6.2	4.5	5.1	3.7	4.2	3.0	3.5	2.4	2.7	2.0	2.3	1.9	2.2
5	50 + 0.4	6.9	7.7	5.6	6.3	4.6	5.3	3.7	4.2	3.0	3.4	2.4	2.8	2	2.3
6	63 + 0.4	8.6	9.6	7.1	8.0	5.8	6.5	4.7	5.3	3.8	4.3	3.0	3.4	2.5	2.9
7	75 + 0.5	10.3	11.5	8.4	9.4	6.8	7.6	5.6	6.1	4.5	5.1	3.6	4.1	2.9	3.3
8	90 + 0.6	12.3	13.7	10.1	11.3	8.2	9.2	6.7	7.5	5.4	6.1	4.3	4.9	3.5	4.0
9	110 + 0.7	15.1	16.8	12.3	13.7	10.0	11.1	8.1	9.1	6.6	7.4	5.3	6.0	4.2	4.8
10	125 + 0.8	17.1	19.0	14.0	15.6	11.4	12.7	9.2	10.3	7.4	8.3	6.0	6.7	4.8	5.4
11	140 + 0.9	19.2	21.3	15.7	17.4	12.7	14.1	10.3	11.5	8.3	9.3	6.7	7.5	5.4	6.1
12	160 + 1.0	21.9	24.2	17.9	19.8	14.6	16.2	11.8	13.1	9.5	10.6	7.7	8.6	1.8	7.0

For Gas Application, the above dimensions will be applicable based on ISO 4437-2, But the MOP (Maximum operating pressure) Will be varying based on the factor of safety **C = 2.0, MRS = 10 Mpa**

$$MOP = \frac{2 \times MRS}{C (SDR-1)}$$

FOR GAS APPLICATION							
Material- PE 100	-	12.5 bar	10 bar	8 bar	6 bar	5 bar	4 bar

Thermotech Sub-Duct Piping System is manufactured from high-density polyethylene (HDPE) and features an inner silicon-based permanent lubricant layer, engineered to significantly reduce friction during cable blowing or pulling. These silicon-lined subducts are specifically designed for underground and ducted installation of telecom cables and optical fiber cables. Also Complies as per BS EN 61386-24, ISO 4427, DIN 8062, ASTM D3350, IEC 60794-5

Available in the form of coil, Size range : 25mm, 32mm, 50mm





PVC-U PRESSURE PIPE WATER (RUBBER RING / SOLVENT SOCKET)



S.No	Outer Dia in mm	Outer Diameter (mm)		Wall Thickness as per (BS EN 1452, BS 3505)						Wall Thickness as per ASTM D 1785			
				Class C (9.0 bar)		Class D (12.0 bar)		Class E (15.0 bar)		Schedule 40		Schedule 80	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
1	1/2"	21.2	21.5	-	-	-	-	1.7	2.1	2.77	3.28	3.73	4.24
2	3/4"	26.6	26.9	-	-	-	-	1.9	2.5	2.87	3.38	3.91	4.42
3	1"	33.4	33.7	-	-	-	-	2.2	2.7	3.38	3.89	4.55	5.08
4	1.1/4"	42.1	42.4	-	-	2.2	2.7	2.7	3.2	3.56	4.07	4.85	5.43
5	1.1/2"	48.1	48.4	-	-	2.5	3.0	3.1	3.7	3.68	4.19	5.08	5.69
6	2"	60.2	60.5	2.5	3.0	3.1	3.7	3.9	4.5	3.91	4.42	5.54	6.20
7	3"	88.7	89.1	3.5	4.1	4.6	5.3	5.7	6.6	5.49	6.15	7.62	8.53
8	4"	114.1	114.5	4.5	5.2	6.0	6.9	7.3	8.4	6.02	6.73	8.56	9.58
9	6"	168.0	168.5	6.6	7.6	8.8	10.2	10.8	12.5	7.11	7.97	10.97	12.29
10	8"	218.8	219.4	7.8	9.0	10.3	11.9	12.6	14.4	8.18	9.17	12.70	14.22
11	10"	272.6	273.4	9.7	11.2	12.8	14.8	15.7	18.1	9.27	10.39	15.06	16.86
12	12"	323.4	324.3	11.5	13.3	15.2	17.5	18.7	21.6	10.31	11.55	17.45	19.53
13	16"	405.9	406.9	14.5	16.7	19.0	21.9	23.4	27.0	12.70	14.22	21.41	23.98

PVC-U PRESSURE PIPES FOR INDUSTRIAL APPLICATION - AS PER BS 3506

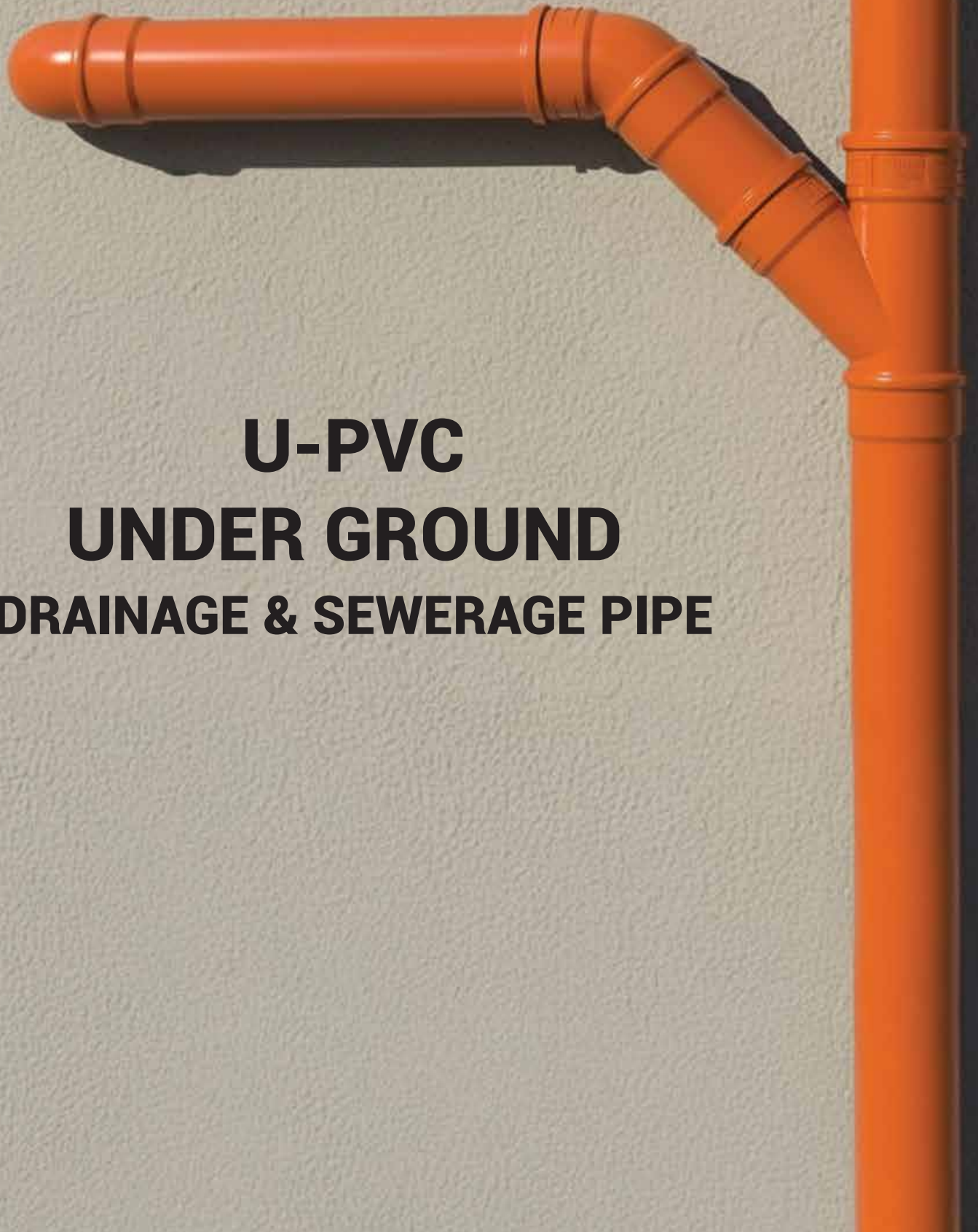
Nominal Sizes	Outer Diameter (mm)		Wall Thickness (mm)			
			Class O		Class B (6.0 bar)	
Inches	Min	Max	Min	Max	Min	Max
1.1/2"	48.1	48.4	1.8	2.2	-	-
2"	60.2	60.5	1.8	2.2	-	-
3"	80.7	89.1	1.8	2.2	2.9	3.4
4"	114.1	114.5	2.3	2.8	3.4	4.0
6"	168.0	168.5	3.1	3.7	4.5	5.2
8"	218.8	219.4	3.1	3.7	5.3	6.1
10"	272.6	273.4	3.1	3.7	6.6	7.6
12"	323.4	324.3	3.1	3.7	7.8	9.0
16"	405.9	406.9	4.1	4.8	9.7	11.2



PVC-U CASING PIPE

S.NO	Nominal Size	Outer Diameter (mm)		Wall thickness (mm)	
		Min	Max	Min	Max
1	4"	110.0	110.3	3.2	3.4
2	6"	160.0	160.4	3.2	3.4
3	8"	200.0	200.5	3.9	4.5
4	10"	250.0	250.5	4.9	5.6
5	12"	315	315.6	6.2	7.1
5	16"	400	400.7	7.9	8.9





**U-PVC
UNDER GROUND
DRAINAGE & SEWERAGE PIPE**

PVC-U DRAINAGE PIPE PER BS EN 1401-1 & BS 4514/BS4 660 (RUBBER RING / SOLVENT SOCKET)

S.NO	Standard	Nominal Size	Outer Diameter (mm)		Wall thickness (mm)					
					SDR51/SN2 (U)		SDR41/SN4		SDR34/SN8	
			Min	Max	Min	Max	Min	Max	Min	Max
1	BS4660	3"	82.4	82.8	3.0-3.4					
2	BS 1401	4"	110	110.3	-	-	3.2	3.8	3.2	3.8
3	BS 1401	6"	160	160.4	3.2	3.8	4.0	4.6	4.7	5.4
4	BS 1401	8"	200	200.5	3.9	4.5	4.9	5.6	5.9	6.7
5	BS 1401	10"	250	250.5	4.9	5.6	6.2	7.1	7.3	8.3
6	BS 1401	12"	315	315.6	6.2	7.1	7.7	8.7	9.2	10.4
7	BS 1401	14"	355	355.7	7.0	7.9	8.7	9.8	10.4	11.7
8	BS 1401	16"	400	400.7	7.9	8.9	9.8	11.0	11.7	13.1

PVC-U DRAINAGE PIPE (NON-STANDARD) (SOLVENT SOCKET)

S.NO	Nominal Size	Outer Diameter (mm)		Wall thickness (mm)	
		Min	Max	Min	Max
1	3"	82.4	82.8	1.8	1.9
2	4"	110.0	110.3	1.9	2.1
3	6"	160.0	160.4	2.0	2.2
4	8"	200.0	200.5	2.9	3.0
5	10"	250.0	250.5	3.4	3.7

PVC-U SOIL AND WASTE DISCHARGE PIPES - AS PER BS EN 1329/BS4514 (RUBBER RING / SOLVENT SOCKET)

S.No	Standard	Nominal Size	Outer Siameter (mm)		Wall Thickness (mm)			
					wall Thick (B)		Wall Thick (BD)	
			Min	Max	Min	Max	Min	Max
1	BS4514	3"	82.4	82.8	3.0 - 3.4			
2	BS 1329	3"	82.0	82.3	3.0	3.5	3.0	3.5
3	BS 1329	4"	110.0	110.3	3.2	3.8	3.2	3.8
4	BS 1329	6"	160.0	160.4	3.2	3.8	4.0	4.6
5	BS 1329	8"	200.0	200.5	3.9	4.5	4.9	5.6
6	BS 1329	10"	250.0	250.5	4.9	5.6	6.2	7.1
7	BS 1329	12"	315.0	315.6	6.2	7.1	7.7	8.7

PVC - U WASTE WATER PIPES & FITTINGS

PVC - U WASTE WATER PIPES

Product complies with BS5255 / BSEN1329 - 1

Colour: White

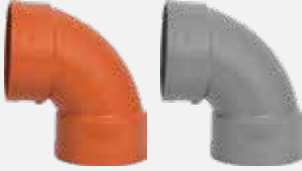
Standard Lengths of 4 meters.

Nominal Size		Outer Diameter (mm)		Wall Thickness (mm)	
Inches	mm	Minimum	Maximum	Minimum	Maximum
1 1/2"	40.00	42.75	43.05	1.90	2.30
2"	50.00	55.75	56.05	2.00	2.40

U-PVC SOIL & VENTILATION FITTINGS (GOLDEN BROWN / GREY)

ELBOW 90°

3", 4", 6"



SKEW CROSS

3", 4", 6"



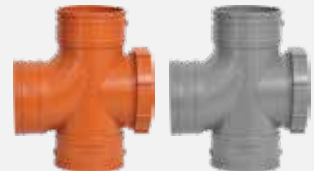
ELBOW 45°

3", 4", 6"



DOOR TEE

3", 4", 6"



CLEAN OUT

3", 4", 6"



DOOR ELBOW

3", 4", 6"



DOWNSTREAM TEE

3", 4", 6"



REDUCING SKEW TEE

3"x2", 4"x3", 6"x4"



END CAP

3", 4", 6"



VENT COWL

3", 4", 6"



REDUCING
DOWN STREAM TEE

3"x2", 4"x3", 6"x4"



REDUCER BUSH

3"x2", 4"x2", 4"x3", 6"x4"



SKEW TEE

3", 4", 6"



COUPLER

3", 4", 6"



P TRAP (TYPE I & II)

4"



GULLY TRAP

6"x4"x4" / 6"x4"



NON RETURN VALVE

4", 6"



FLOOR TRAP

4"x3"x2"x1 1/2"



FLOOR TRAP TYPE II

4"x3"x2"



PVC GRATING LID

6x4x4



U-PVC WASTE WATER FITTINGS (WHITE & GREY)

Products Complies With BS5255 & BSEN1329-1



CLEAN OUT
1½", 2"



COUPLER
1½", 2"



DOWN STREAM TEE
1½", 2"



SKEW TEE
1½", 2"



ELBOW 90°
1½", 2"



ELBOW 45°
1½", 2"



END CAP
1½", 2"



REDUCING BUSH
2" x 1½"



FEMALE COUPLER
1½", 2"



FEMALE ELBOW 90°
1½", 2"



Product complies with
BSEN61386-21/
BSEN50086/BS4607/

Colours: Black & White

U-PVC Electrical Conduits For Cable Management Systems

U-PVC ELECTRICAL CONDUITS

Nominal Sizes in mm	Outer Diameter (mm)		Light Gauge (mm)		Medium Gauge (mm)		Heavy Gauge (mm)	
	Min	Max	Min. Inner Diameter	Wall Thickness	Min. Inner Diameter	Wall Thickness	Min. Inner Diameter	Wall Thickness
19 (NS)	18.95	19.10	16.75	1.10	16.35	1.30	15.95	1.50
20	19.80	20.00	17.60	1.20	16.80	1.60	16.40	1.80
25	24.80	25.00	22.20	1.40	21.40	1.80	21.20	1.90
32	31.70	32.00	29.00	1.50	27.80	2.10	27.00	2.50
38 (NS)	37.70	38.00	35.00	1.50	33.60	2.20	33.00	2.50
50	49.70	50.00	46.20	1.90	45.00	2.50	43.60	3.20



Product complies with
DIN8061/8062,
Omantel & Oreedoo

Colours: Black & Grey,
Standard Lengths of
6 meters.

Also available in alternate
lengths & colours*

U-PVC DUCTS FOR ELECTRICAL & TELECOM CABLES

U-PVC ELECTRICAL CONDUITS

Nominal Sizes	Outer Diameter (mm)		Wall Thickness (mm)													
			Series25		Series20		Series16.7		Series12.5		Series10		Series8		Series6.3	
			SDR51		SDR41		SDR34.4		SDR26		SDR21		SDR17		SDR13.6	
			PN4		PN5		PN6		PN8		PN10		PN12		PN16	
mm	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20	20.00	20.20	-	-	-	-	-	-	-	-	-	-	-	-	1.50	1.90
25	25.00	25.20	-	-	-	-	-	-	-	-	-	-	1.50	1.90	1.90	2.30
32	32.00	32.20	-	-	-	-	-	-	-	-	1.60	2.00	1.90	2.30	2.40	2.90
40	40.00	40.20	-	-	-	-	-	-	1.60	2.00	1.90	2.30	2.40	2.90	3.00	3.50
50	50.00	50.20	-	-	-	-	1.50	1.90	2.00	2.40	2.40	2.90	3.00	3.50	3.70	4.30
63	63.00	63.30	-	-	1.60	2.00	1.90	2.30	2.50	3.00	3.00	3.50	3.80	4.40	4.70	5.40
110	110.00	110.40	2.20	2.70	2.70	3.20	3.20	3.80	4.20	4.90	5.30	6.10	6.60	7.50	8.10	9.20
160	160.00	160.50	3.20	3.80	4.00	4.60	4.70	5.40	6.20	7.10	7.70	8.70	9.50	10.70	11.80	13.20



Product complies with
British standard
BPO - LN 173

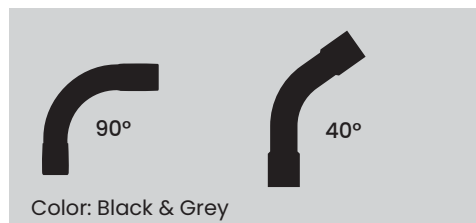
Color: Black
ETISALAT & DU

U-PVC DUCTS FOR TELECOM CABLES

U-PVC ELECTRICAL CONDUITS

Duct No.	Outer Diameter (mm)		Wall Thickness (mm)	
	Min	Max	Min	Max
56	53.80	54.00	1.55	1.70
56A	56.40	56.70	3.25	3.45
54D	96.30	96.70	3.25	3.45
57	114.20	114.40	3.40	3.80
57A	114.20	114.40	4.50	4.90

PVC-U DUCT BEND FOR DUCT & CABLE CONDUIT APPLICATIONS



Color: Black & Grey

Nominal Sizes (inches)	Socket Inner Diameter (mm)	Bend Angle	Bend Length (Meter)
3"	88.8	90°	0.8
4"	110	22.5° / 30° / 45° / 67.5° / 90°	1.00 / 2.50 / 3.00
4"	114.2	L Bend 90°	1
4"	114.2	45° / 90°	1
6"	168.2	45° / 90°	1

PVC-U DUCT COUPLER



Color: Black & Grey

Nominal Sizes (inches)	1½"	2"	3"	4"	4"	6"
Socket Inner Diameter (mm)	48.2	60.3	88.8	110	114	160
Length (mm)	110	140	170	220	230	270



u-PVC ELECTRICAL CONDUIT FITTINGS



Terminal One Way Junction Box

19mm, 20mm, 25mm



Two Way Angle Junction Box

19mm, 20mm, 25mm



Two Way Straight Junction Box

19mm, 20mm, 25mm



Tee Three Way Junction Box

19mm, 20mm, 25mm



Intersection Four Way Junction Box

19mm, 20mm, 25mm



Y Way Junction Box

19mm, 20mm, 25mm



H Way Junction Box

19mm, 20mm, 25mm



U Way Junction Box

19mm, 20mm, 25mm



Circular Lid

65mm, 85mm
Color: Black & White



Loop In Box (Back Entry)

19mm, 20mm, 25mm



Coupler

19mm, 20mm, 25mm
32mm, 38mm, 50mm



Expansion Coupler

20mm, 25mm
32mm, 38mm, 50mm



Female Thread Adaptor

19mm, 20mm, 25mm
32mm, 38mm, 50mm



Male Thread Adaptor

19mm, 20mm, 25mm
32mm, 38mm, 50mm



Space Bar saddle

19mm, 20mm, 25mm
32mm, 38mm, 50mm



Short & Long Bend

19mm, 20mm, 25mm
32mm, 38mm, 50mm



3x3" & 6x3" Surface Mounting Box

87 x 147 x 35 (Depth)

87 x 87 x 35 (Depth)



3x3" & 6x3" Surface Mounting Box Lid

87 x 147

87 x 87

IP Boxes 65 Series

80 x 80 x 40 mm

100 x 100 x 50 mm

150 x 110 x 70 mm

150 x 150 x 70 mm

190 x 140 x 70 mm

240 x 190 x 90 mm

300 x 220 x 120 mm



Adaptable Box & Lid

100x100x75 mm

150x100x75 mm

150x150x75 mm

225x225x75 mm

300x300x75 mm



Heavy Duty Solvent Cement

118 ml

473 ml





Approval Number 260655030
Test Report: J-00552626, R0078/3/CF & J-00552629



Water Regulations Approval Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Cwmffwrdd,
Gwent,
NP11 4EG

24th June 2025
Mohammed Riaz and Partners LLC (Thermotech Pipe Factory)
PO Box 206,
P.C.111, Way 501,
Madayan Industrial City
Samail,
Oman

WATER REGULATIONS APPROVAL SCHEME LTD. (WRAS)

MATERIAL APPROVAL

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6800-1:2014 "Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water".

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

POLYVINYLCHLORIDE (PVC, PVC-U AND CPVC)- COMPONENTS - ONLY LEAD FREE PVC-U LISTED IN THIS SECTION. 5300

Thermotech Grey uPVC Pressure Pipe. Grey coloured, extruded uPVC pipes. For use with water up to 65°C.

APPROVAL NUMBER: 260655030
APPROVAL HOLDER: MOHAMMED RIAZ AND PARTNERS LLC (THERMOTEC PIPE FACTORY)

The Scheme reserves the right to review approval.
Approval 260655030 is valid between June 2025 and June 2031.

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: www.wrasapproval.co.uk/whom-to-approve/

Yours Faithfully

Ian Hughes
WRAS Approval Manager

Approval Number 260655037
Test Report: J-00552626, R0078/3/CF & J-00552629



Water Regulations Approval Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Cwmffwrdd,
Gwent,
NP11 4EG

24th June 2025
Mohammed Riaz and Partners LLC (Thermotech Pipe Factory)
PO Box 206,
P.C.111, Way 501,
Madayan Industrial City
Samail,
Oman

WATER REGULATIONS APPROVAL SCHEME LTD. (WRAS)

MATERIAL APPROVAL

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6800-1:2014 "Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water".

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

POLYVINYLCHLORIDE (PVC, PVC-U AND CPVC)- COMPONENTS - ONLY LEAD FREE PVC-U LISTED IN THIS SECTION. 5300

Thermotech White uPVC Pressure Pipe. White coloured, extruded uPVC pipes. For use with water up to 65°C.

APPROVAL NUMBER: 260655037
APPROVAL HOLDER: MOHAMMED RIAZ AND PARTNERS LLC (THERMOTEC PIPE FACTORY)

The Scheme reserves the right to review approval.
Approval 260655037 is valid between June 2025 and June 2031.

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: www.wrasapproval.co.uk/whom-to-approve/

Yours Faithfully

Ian Hughes
WRAS Approval Manager

Approval Number 250155016
Test Report: J-00489593



Water Regulations Approval Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Cwmffwrdd,
Gwent,
NP11 4EG

27th February 2025
Mohammed Riaz and Partners LLC (Thermotech Pipe Factory)
PO Box 206,
P.C.111, Way 501,
Madayan Industrial City
Samail,
Oman

WATER REGULATIONS APPROVAL SCHEME LTD. (WRAS)

MATERIAL APPROVAL

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6800-1:2014 "Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water".

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

POLYETHYLENE- COMPONENTS. 5240

THERMOTEC HDPE Pipe. Black coloured, extruded HDPE pipe. For use with water up to 60°C.

APPROVAL NUMBER: 250155016
APPROVAL HOLDER: MOHAMMED RIAZ AND PARTNERS LLC (THERMOTEC PIPE FACTORY)

The Scheme reserves the right to review approval.
Approval 250155016 is valid between February 2025 and February 2030.

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: www.wrasapproval.co.uk/whom-to-approve/

Yours Faithfully

Ian Hughes
WRAS Approval Manager

Approval Number 250155016
Test Report: J-00489593



Water Regulations Approval Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Cwmffwrdd,
Gwent,
NP11 4EG

13th January 2025
Mohammed Riaz and Partners LLC (Thermotech Pipe Factory)
PO Box 206,
P.C.111, Way 501,
Madayan Industrial City
Samail,
Oman

WATER REGULATIONS APPROVAL SCHEME LTD. (WRAS)

MATERIAL APPROVAL

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6800-1:2014 "Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water".

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

POLYPROPYLENE- COMPONENTS. 5260

THERMOTEC PP-R PIPE. Green coloured (with yellow stripes), extruded PP-R pipe. For use with water up to 65°C.

APPROVAL NUMBER: 250155016
APPROVAL HOLDER: MOHAMMED RIAZ AND PARTNERS LLC (THERMOTEC PIPE FACTORY)

The Scheme reserves the right to review approval.
Approval 250155016 is valid between January 2025 and January 2030.

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: www.wrasapproval.co.uk/whom-to-approve/

Yours Faithfully

Ian Hughes
WRAS Approval Manager

MATERIAL APPROVAL CERTIFICATE

Oman Broadband/561/2025
Vendor Code: C2760

Date of issue: 07/08/2025
Expiry Date: 07/07/2028

OMAN BROADBAND CERTIFIES THAT

Name of the Vendor: Mohammed Riaz & Partner LLC
Vendor Category: Non-SME
Address: P.O. Box: 206 P.C. 111, Samail, Al Dakhiliyah, Sultanate of Oman

Country: Sultanate of Oman

Is registered with Oman Broadband Company as an approved supplier/manufacturer of material stipulated in the table below, with effect from the date of issue of this certificate.

Manufacturer	Country	Material
Mohammed Riaz & Partner LLC	Sultanate of Oman	110 mm Duct

Conditions:

- The Vendor shall ensure all Material supplied to Oman Broadband's network adheres to Oman Broadband's specification.
- This certificate does not give any assurance on purchasing or award contract.
- The validity of this certificate is based on continual quality performance and periodic assessment.
- Any change with respect to this registration (Name change/Merging/Factory shifting/Agreement change/renewal between Manufacturer and Agent/Dealer/Distributor/Stockist, etc. and/or expiry of commercial registration documents) shall be promptly communicated to Oman Broadband.
- Failing to update may invalidate this registration for the goods / services for which you are registered.
- This registration will automatically cease at the expiry date unless it is renewed prior to its expiry date.
- Oman Broadband reserves the right to cancel, amend or invalidate this registration at its own discretion.

Hamid Al Abdali
General Manager - Supply Chain Management



No. TA/2025/09-16

Dated: 16th of September 2025

TO WHOM IT MAY CONCERN

Having gone through the Specifications and Test Report of 110 mm Outer Diameter (OD) uPVC pipe/duct (Thermotech) manufactured by Mohammed Riaz & Partners LLC, Oman; it has been found suitable to be used in Ooredoo Oman Telecom Infrastructure, wherever it is required or specified by Ooredoo. Below are the details of approved product.

ITEM	DESCRIPTION	ITEM	DESCRIPTION
Manufacturer	Mohammed Riaz & Partners LLC P.O. Box 206, P.C. 111, Way-501, Madayan Industrial City, Samail, Al-Dakhiliyah, Sultanate of Oman	Brand Name	Thermotech
Outer Diameter	110 + 0.4 mm	Wall Thickness	3.2 +0.6 mm
Tolerance of Outer roundness	± 1.00 mm	Length	Straight ducts in 6 meters length
Color	Black		
Test Report	Test Report from Lonestaralpa Labs provided including Appearance & Marking, Dimensions, Impact Resistance Test, Heat Reversion Test, Resistance to Dichloromethane, Vicat Softening Temperature (VST), Specific Gravity & Flexural Modules. All tests are Accepted / Passed base on the relevant DIN, ISO & EN Standards.		

This approval is valid for a period of **Two (02) Years** starting from issuance date and will stand canceled if any defect is found in the product or not renewed by 16th of September 2027.

Yours Sincerely,

Asad A. Hydari
Section Head – Outside Plant
Omani Qatari Telecommunications Company SAOG

thermotech

The Name of Quality



+968 9898 9744



thermotech@m-riaz.net



www.thermotech.om

PO BOX: 1239, PC: 111, Rumais, Barka, Sultanate of Oman



MOHAMMED RIAZ

& PARTNER LLC

www.mohammedriaz.com