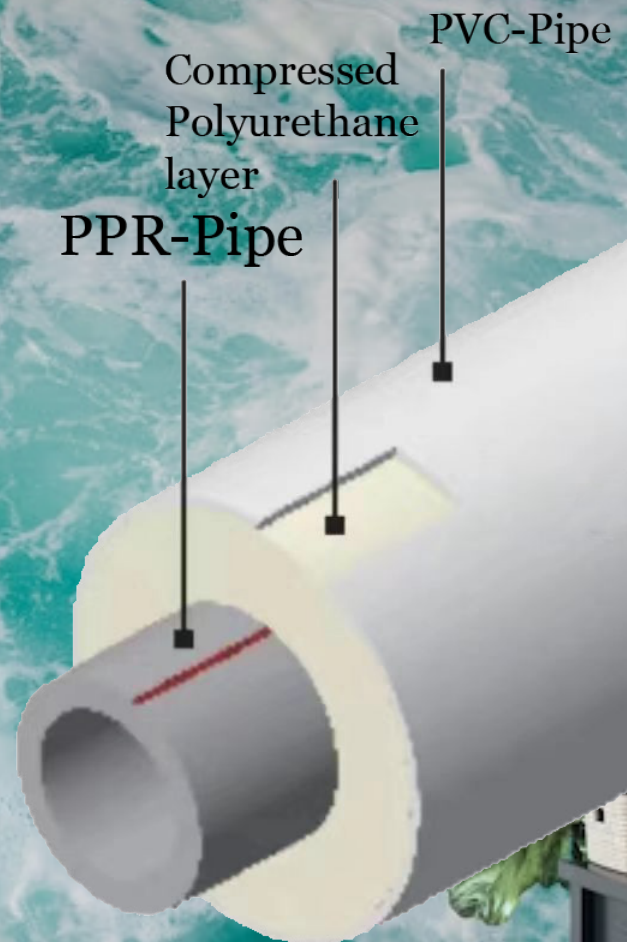


# PPR INSULATED PIPES

- INSULATION PERFORMANCE IS 4-9 TIMES HIGHER THAN STANDARD PIPE INSULATION
- PIPES COME PRE-INSULATED SO THERE ARE NO INSULATION LABOR COSTS
- INSULATION THICKNESS IS CUSTOMIZABLE
- WE OFFER OUTER SHELLS FOR INSULATING THE PIPE FITTINGS



# TERRA PPR INSULATED PIPES

ONE OF THE MOST ENERGY-EFFICIENT METHODS OF TRANSPORTING WATER FOR HEATING OR COOLING APPLICATIONS OVER LONG DISTANCES UNDERGROUND.

PRE-INSULATED PP-R PIPE SYSTEM FOR HEATING, COOLING AND OUTDOOR PLUMBING INCLUDES A COMPLETE RANGE OF PRE-INSULATED FITTINGS AND PIPES.

TERRA PRE-INSULATED PIPE SYSTEM IS A COMPREHENSIVE SOLUTION FOR CONNECTING YOUR HEAT PUMP AND OUTDOOR PLUMBING. WE OFFER PPR PIPES ENCLOSED WITHIN A PVC PIPE, WITH A LAYER OF COMPRESSED POLYURETHANE INSULATION IN BETWEEN. THIS INSULATION SERVES TO PREVENT CONDENSATION ON THE PIPE, WHILE THE PVC LAYER ADDS RIGIDITY AND PROTECTS THE INSULATION LAYER. PVC SHELLS ARE ALSO PROVIDED TO ENSURE PROPER INSULATION FOR FITTINGS.



## Our Advantage

**1** Convenient construction  
Shorten the duration, control cost, save labor cost

**4** Long service life  
Proper installation and use can lead to a network life of 30-50 years and very low maintenance costs

**2** Low comprehensive cost  
Strong corrosion and water resistance

**3** Save Energy  
Low heat loss Energy savings Heat loss is only 25% of the traditional pipe.





# TERRA PPR INSULATED PIPES



## Internal structure diagram of PPR thermoplastic pipe

Three layers of protective insulation, more than 5 times better than rubber and plastic cotton insulation effect

Layer 1: PVC outer layer protection-anticorrosion, sunscreen, frost resistance and unbreakability

Layer 3: High quality PPR tubes for long service life

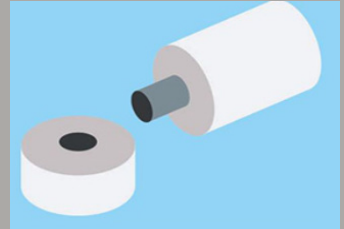
Layer 2: High density polyurethane foam, insulation effect far superior rubber cotton

1



CUT THE PVC AND INSULATION LAYER

2



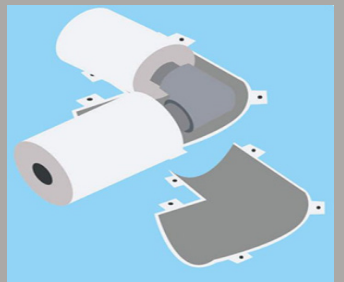
REMOVE THE INSULATION LAYER AND CLEAN THE PPR PIPE

3



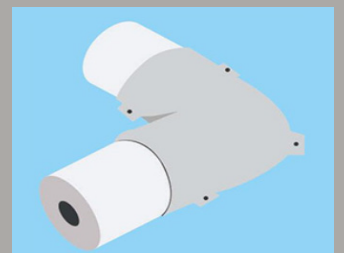
INSTALL THE REQUIRED FITTING TO THE PIPE

4



APPLY THE CORRECT PVC SHELL TO THE FITTING AND FILL IT WITH PU FOAM

5



SCREW THE TOP OF THE SHELL AND LET THE FOAM EXPAND



# TERRA PPR INSULATED PIPES - MANUAL





# TERRA PPR INSULATED PIPES

Type	Diameter Ø	Length (m)	Insulation Thickness
Pre-insulated pipe	PRCR-20	4	50
Pre-insulated pipe	PRCR-25	4	50
Pre-insulated pipe	PRCR-32	4	63
Pre-insulated pipe	PRCR-40	4	75
Pre-insulated pipe	PRCR-50	4	90
Pre-insulated pipe	PRCR-63	4	110
Pre-insulated pipe	PRCR-75	4	125
Pre-insulated pipe	PRCR-90	4	160
Pre-insulated pipe	PRCR-110	4	160
Pre-insulated pipe	PRCR-160	4	250



Type	Diameter Ø
PVC T-shaped Reducer Shell	63*50*63
PVC T-shaped Reducer Shell	63*63*50
PVC T-shaped Reducer Shell	75*50*75
PVC T-shaped Reducer Shell	75*75*50
PVC T-shaped Reducer Shell	75*63*75
PVC T-shaped Reducer Shell	75*75*63
PVC T-shaped Reducer Shell	90*50*90
PVC T-shaped Reducer Shell	90*90*50
PVC T-shaped Reducer Shell	90*63*90
PVC T-shaped Reducer Shell	90*90*63
PVC T-shaped Reducer Shell	90*75*90
PVC T-shaped Reducer Shell	90*90*75
PVC T-shaped Reducer Shell	110*63*110
PVC T-shaped Reducer Shell	110*110*63
PVC T-shaped Reducer Shell	110*75*110
PVC T-shaped Reducer Shell	110*90*100
PVC T-shaped Reducer Shell	125*63*125
PVC T-shaped Reducer Shell	125*75*125
PVC T-shaped Reducer Shell	125*90*125
PVC T-shaped Reducer Shell	125*110*125
PVC T-shaped Reducer Shell	160*90*125
PVC T-shaped Reducer Shell	160*110*160
PVC T-shaped Reducer Shell	160*125*160



# TERRA PPR INSULATED PIPES

Type	Diameter $\varnothing$
PVC 90 Elbow Shell	50
PVC 90 Elbow Shell	63
PVC 90 Elbow Shell	75
PVC 90 Elbow Shell	90
PVC 90 Elbow Shell	110
PVC 90 Elbow Shell	125
PVC 90 Elbow Shell	160



Type	Diameter $\varnothing$
PVC 45 Elbow Shell	50*45
PVC 45 Elbow Shell	63*45
PVC 45 Elbow Shell	75*45
PVC 45 Elbow Shell	90*45
PVC 45 Elbow Shell	110*45
PVC 45 Elbow Shell	125*45
PVC 45 Elbow Shell	160*45



Type	Diameter $\varnothing$
PVC Straight Muff Shell	50
PVC Straight Muff Shell	63
PVC Straight Muff Shell	75
PVC Straight Muff Shell	90
PVC Straight Muff Shell	110
PVC Straight Muff Shell	125
PVC Straight Muff Shell	160



Type	Diameter $\varnothing$
PVC T-shaped Shell	50
PVC T-shaped Shell	63
PVC T-shaped Shell	75
PVC T-shaped Shell	90
PVC T-shaped Shell	110
PVC T-shaped Shell	125
PVC T-shaped Shell	160



Type	Diameter $\varnothing$
PVC Straight Reducer Shell	63*50
PVC Straight Reducer Shell	75*63
PVC Straight Reducer Shell	75*50
PVC Straight Reducer Shell	90*75
PVC Straight Reducer Shell	110*90
PVC Straight Reducer Shell	160*110

