



Under Floor Heating Pipe System



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Wuhan Kingbull Economic Development Co. Ltd. is a high-tech company that is specialized in R&D, production of plastic pipes and development of technology for residential buildings. The company was elected as the vice-president of CPPA (Plastic piping Sub-Committee affiliated with the China Plastic Industry Association).

Adhering to the philosophy of "Innovation and Service" and focusing on three fields: Municipal facilities, Civil construction and Natural Resource industries, we Wuhan Kingbull Economic Development Co. Ltd. are committed to the research, production and application of environmentally friendly piping systems. We have successfully expanded our service to complete installations of pipeline productions. The products are divided into 5 categories and 13 sub-categories, the main products are: PP-R pipe, PP-R Plastic/Aluminum stabi composite pipe, PE-RT under floor heating pipe, Oxygen Barrier PE-RT pipe, PE/AL/PE butt-welded composite pipe, PE/AL/PE overlap-welded composite pipe, plastic /steel/plastic composite pressure pipe, Polyethylene (PE) pipe systems for water supply , PE pipe for the supply of gaseous fuels, HDPE spirally enwound structure-wall pipes, HDPE double wall corrugated pipes, HDPE pipes and fittings for drainage inside buildings etc. These products are used for hot and cold water distribution in buildings, radiator heating, floor and central heating and air-conditioning, HDPE same floor drainage pipe system, siphonic roof drainage system, ground source heat pump system, municipal water supply system, municipal drainage system, gas pipe network system, chemical pipe network system etc.

With advanced pipe technology, scientific organizational management, first-quality products and excellent after-sale service, Kingbull has won the trust of their customers. The company was awarded with the "Hubei Famous Brand" in 2004, obtained the "China Famous Brand" honor in 2006 and the company's logo "Kingbull" was recognized as "China Top brand" in 2009.

"Communicate credibility through reputation and quality as well as minimize customer concerns." is a perfect interpretation of our core values. We take it as our obligation to promote the healthy development & innovation of China's new type of plastic pipe industry. We are sure that we can create a bright future with our customers on the basis of mutual benefits.



Corporate Introduction

PE-RT

Under Floor Heating Pipe System

Advanced Technology



Automatic centralized feed systems
Automatic packing
High speed and efficiency production line

Reliable Quality



On-site Diameter Test
On-site Pressure Test
CHINA National Laboratory

Scientific Management



Temperature And Moisture Controlling Around The Clock
Advanced Storage Of Pipe
Monitoring Survey By Computer

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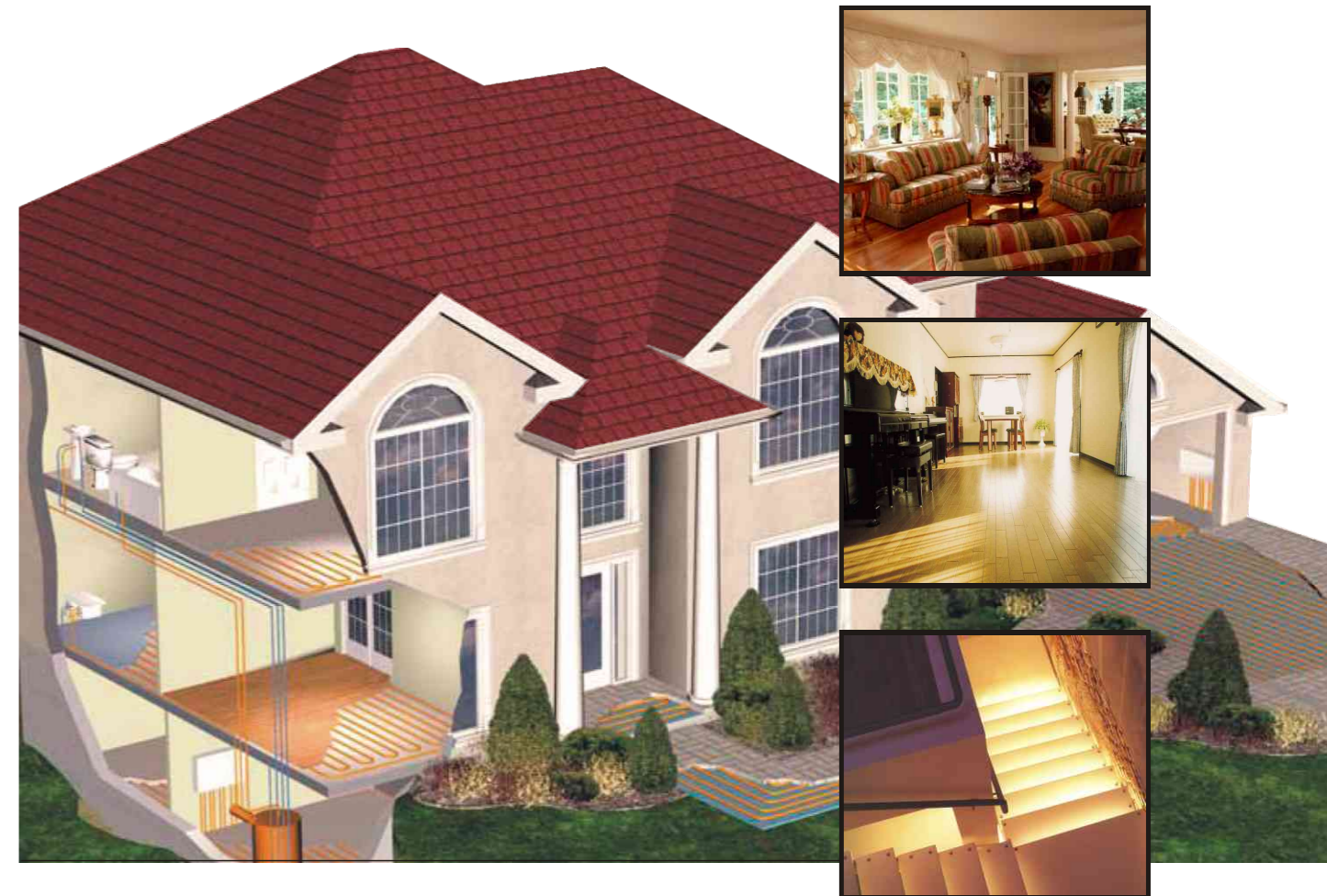


Underfloor Heating System



- Residential
- Industrial
- Commercial
- Institutional
- Floor Warming
- Snow/Ice Melt Systems

Professional Radiant Heating Solutions



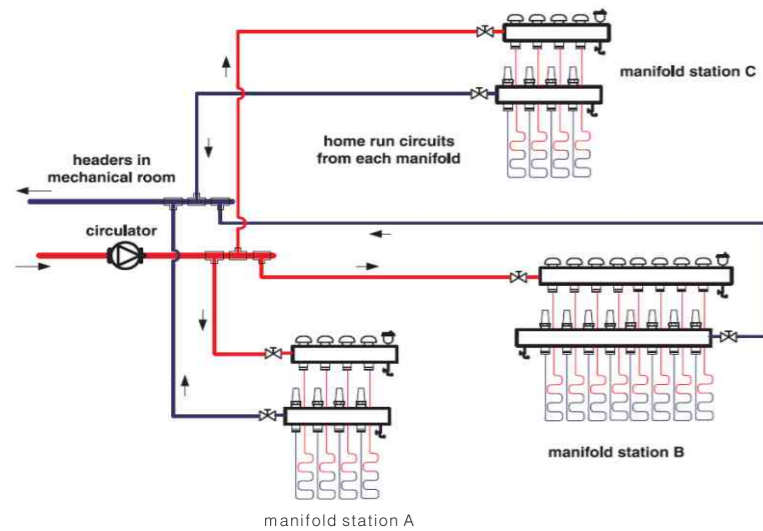
Natural, Comfortable And Efficient – The Best Heating Solution

Underfloor heating system with its advantage of being clean, noiseless and efficient is increasingly becoming a popular choice among commercial, industrial and residential sectors alike. Kingbull Underfloor heating systems with advanced design and quality components, could offer our customers much more than conventional heating systems.



Conventional Heat System And The Radiant Heat System Comparison

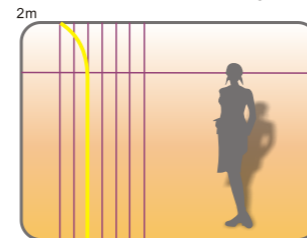
The radiant Underfloor Heating system distributes warm water of lower than 60 degrees through tubes laid under the floor to evenly heat up the floor which in turn delivers radiant warmth to the entire room.



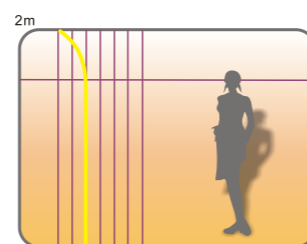
The Main Characteristics Of The Underfloor Heating System :

- Even temperature through out the room provides a very comfortable feeling
- The pipes are laid under the floor and don't take up living space
- Uses warm water, more efficient and little loss of energy in distribution
- The floor concrete acts as a storage for heat, good thermal stability and good room temperature maintenance in the intermittent operational period
- Low operational cost, 10% lower than the conventional systems
- Long operational life, can be used up to 50 years
- Easy heat metering, a heat meter can be installed in households

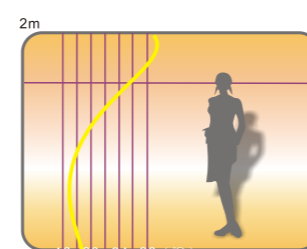
Comfortable indoor temperature distribution (heat is delivered from the ground)



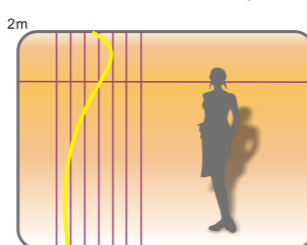
Underfloor Heating system indoor temperature distribution (heat is delivered from the ground – warm feet)



Air-Conditioning system temperature distribution. (heat convection, less comfortable)



Radiator Heating system temperature distribution (heat is delivered to the ground, uncomfortable feeling)



The Perfect Choice For Households

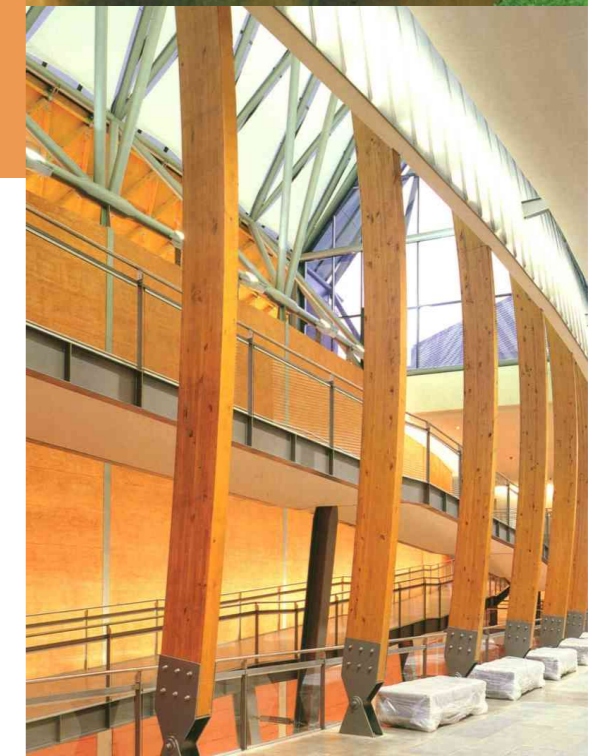
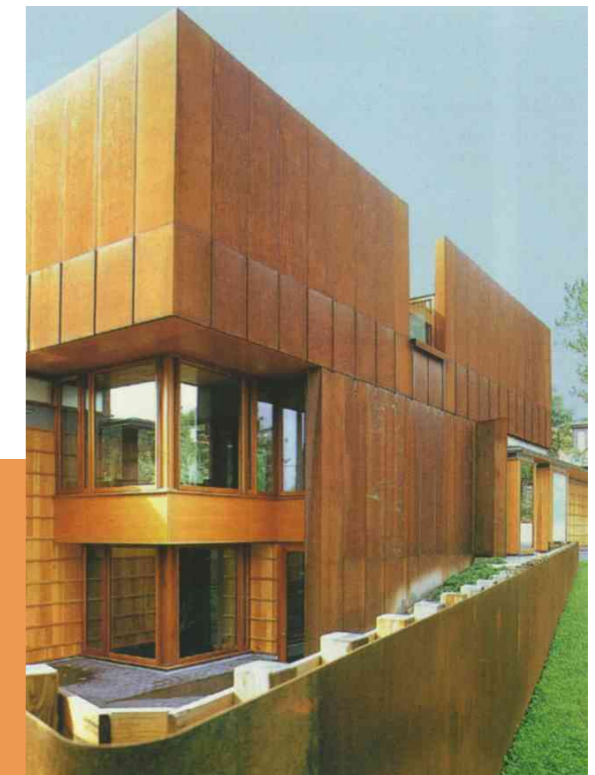
Kingbull radiant Underfloor Heating systems are the perfect choice for your home. It can be laid in bedrooms, in the kitchen, bathrooms, living rooms etc. to replace the air-conditioning or radiator heating systems. It can be used under concrete cement floors, ceramic tiles, wooden floors etc. to give you warmth and comfort.

The ideal choice for Industrial and commercial institutions

Kingbull radiant Underfloor Heating systems can be used in factory and commercial buildings to save energy and resources. On going studies have shown that our system uses at least 20% less energy than the conventional ones, at the same time it also provides unprecedented heating comfort. Because of its comfort and energy efficiency, Underfloor heating system is also an ideal choice for schools, seniors facilities and more.

Snow And Ice Melting Systems.

Under floor heating systems can be used in commercial and residential buildings for safety reasons and cutting maintenance costs. At docks, sidewalks and other commonly used pedestrian sites, Installing snow/ice melting systems can prevent employees and pedestrians from injuries caused by slipping and falling down. As well as installing Our system can also be used in garage lanes and the driveway at your house to give you a trouble free winter season.



Kingbull PE-RT Underfloor Heating Pipes



Kingbull company's PE-RT floor radiant heating pipe, use PE-RT material 4731B production, To meet the ISO/DIS22391: 2007 and DIN 16833:2007 standards.

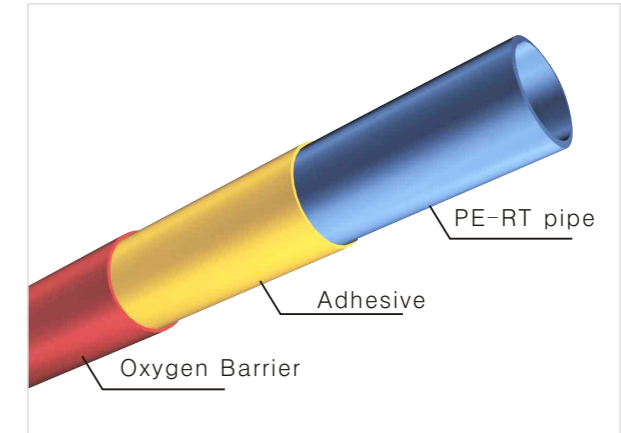
Specifications

Product Name	Item Number	Series	Specifications	Package (m/ coil)
PE-RT floor radiant heating pipe 	050005001	S5	20X2.0mm	220
	050005002		25X2.3mm	110
	050005003		32X2.9mm	55
	050004001	S4	20X2.3mm	220
	050004002		25X2.8mm	110
	050004003		32X3.6mm	55
	050003001	S3.2	20X2.8mm	220
	050003002		25X3.5mm	110
	050003003		32X4.4mm	55

Standard : CJ/T 175-2002

Kingbull PE-RT Pipe with Oxygen Barrier

Kingbull PE-RT oxygen barrier pipe complies with DIN 4726 standard. It is composed of 3 layers, the outer layer of EVOH oxygen barrier can affectively prevent oxygen permeability therefore eliminate bacteria growth inside the pipes to ensure clean water and better sanitation, as well as prevent the metal parts in the system from corrosion to ensure a much longer service.



Specifications

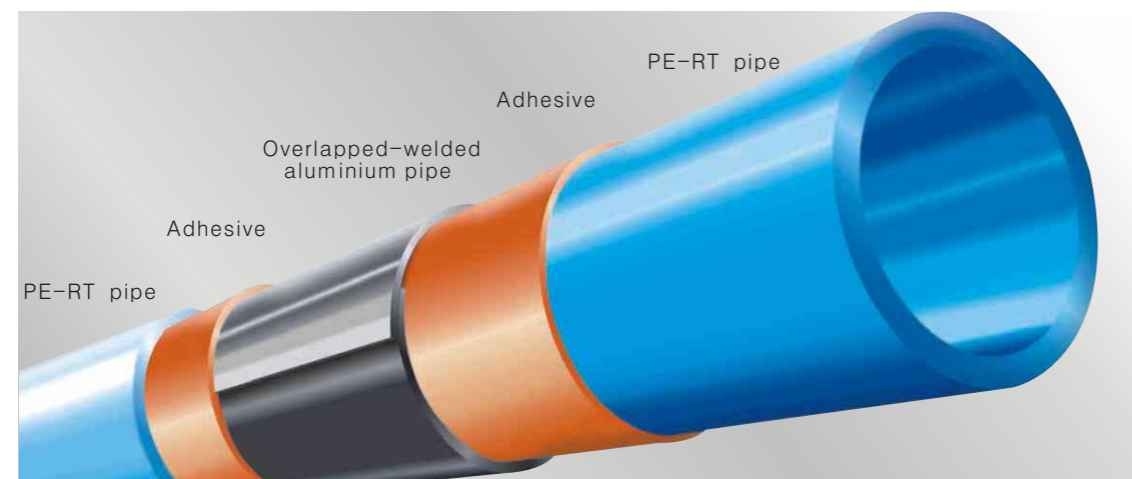
Product Name	Item Number	Series	Specifications	Package (m/ coil)
PE-RT pipe with oxygen barrier 	240005001	S5	20X2.0mm	220
	240005002		25X2.3mm	110
	240005003		32X2.9mm	55
	240004001	S4	20X2.3mm	220
	240004002		25X2.8mm	110
	240004003		32X3.6mm	55
	240003001	S3.2	20X2.8mm	220
	240003002		25X3.5mm	110
	240003003		32X4.4mm	55

Standard : CJ/T 175-2002

Kingbull PE-RT/AL/PE-RT Overlap-welded Multilayer Pipe

Kingbull overlap-welding PE-RT multilayer composite pipes combine the characteristics of both plastic and metal pipes.

- 1 oxygen impermeability
- 2 corrosion, high pressure and temperature resistant
- 3 small thermal expansion rate
- 4 easy installation and connection



Specifications

Product Name	Item Number	Package	Qty (M / Coil)
Overlap welding PE-RT multilayer composite pipe	320001001	16X1.7mm	200
	320001002	20X1.9mm	100
	320001003	25X2.3mm	100
	320001004	32X2.9mm	100

Standard : GB/T 18997.1-2003

Kingbull Manifolds for Underfloor Heating Models and Specifications

Tools of Kingbull Underfloor Heating

Product Name	Item Number	Specification (mm)	Package (pc / box)
40 * 40 stainless steel manifolds with compression connection	330201001	2channel	1
	330201002	3channel	1
	330201003	4channel	1
	330201004	5channel	1
	330201005	6channel	1
	330201006	7channel	1
	330201007	8channel	1
40 * 40 stainless steel manifolds Thermo-fusion connection	330202001	2channel	1
	330202002	3channel	1
	330202003	4channel	1
	330202004	5channel	1
	330202005	6channel	1
	330202006	7channel	1
	330202007	8channel	1
PE-RT oxygen barrier pipe peeling device	240101002	dn20	1
	240101003	dn25	1
	240101004	dn32	1
Kingbull's invention of oxygen barrier layer peeling device for perfect Thermo-fusion connection, patent No.: ZL 2008 2 0190396.0			
PE-RT welding device	050101001	JN 32	1
Pipe cutter	010104001	dn20-50	1



Benefits

- Comfort
- Cleaner, healthier air
- Efficiency, low maintenance
- Lower operating costs
- No noise
- Adds to home's resale value

Quality Components

- Fast, easy installation
- Industry-leading
- Expert design, technical and field support staff



Design Flexibility

- New construction
- Retrofit
- Over existing concrete with thin topping pour
- Between floor joists under sub floors
- On sub floors with topping pour or sleeper system
- Use any floor covering—ceramic tile, linoleum, carpet, hardwood, laminate
- Installed in sidewalks, driveways, loading docks, ramps

