

KWD Market Report PEX and PE-RT Pipes / Update 2011-08



Publisher: KWD-globalpipe publishing house, Schwelm /Germany, Dipl.-Ing. Jutta Hix, hix@kwd-online.de

KWD - Market Report:

PEX and PERT Heating & Plumbing Pipes worldwide 2011

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The KWD-Market Report includes:

- 334 pages, 8 coloured pages with graphs, in english language
- Printed book and pdf-file, additionally all charts and graphics as Excel-Spreadsheet

Price Information:

- 860,- Euros for subscribers of KWD-SHK or KWD-globalpipe,
- 990,- Euros for all others

For ordering please use the orderform at the end of this document or just write an E-Mail.
(terms of payment please see the orderform)

Editorial Office and Distribution:

KWD-globalpipe publishing house
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Foreword

Since our last study from the year 2009 a lot has happened again in the world of pipes and pipe systems for hot water applications. Good reason for an update showing the main developments in the pipe markets and also to look at some current trends.

About the new study

- Updated information about the quantity of materials used, as well as info on produced pipe volumes by the main PE-X and PE-RT pipe manufacturers of the world.
- Demands for raw material were converted into meters by an averaging factor.
- Wherever possible, material used for inner and/or outer layer for aluminium composite pipes were deducted from the raw material volumes.
- Trend analysis for PE-X and PE-RT pipes in Europe up to 2013.
- PE-X versus PE-RT – substitution or diversification.

Insights of the new report

- All pipe materials are increasing again after the slump of the years 2008/2009, also PE-X and PE-RT pipes worldwide, which are the exclusive subject of this market analysis
- PE-X and PE-RT pipes worldwide are increasingly used in heating applications, and the trend is towards multilayer constructions (5-sheet).
- PE-Xa gets a renaissance in some markets. Reasons might be the know-how available with turn-key production lines supplied by well-known manufacturers, combined with the well recognised properties of the products by the users.
- Nothing spectacular with new pipe developments. The creativity of product development is focusing on the pipe joining and fittings. But about that please wait for another KWD market report later this year.
- Only few changes at the producers in Europe or North America but continual coming and going in Russia, Middle East and naturally Asia. We are presenting a current overview about the main producers - in many cases with estimates about the production volumes, but in some cases without concrete information about volumes.

Chapter “Introduction” / Contents

- Pipes of cross linked polyethylene (PE-X) 5
- Brief description of the applied production methods for PE-X 7
- Pipes of polyethylene raised temperature (PE-RT) 8
- European Trends: PE-RT vers. PE-X – substitution or diversification ? 9
- European Trends: PE-Xa, b, or c - all the same - or perhaps not ? 10

PEX / PE-RT Pipes, Production Output 2010

In the present KWD Market Report we have listed the Production Output for PEX and PE-RT Plastic Single and Multilayer Pipes.

The volume of aluminium composite pipes are not included. But we have listed the production program of multilayer metal pipes without volumes – just for information.

The KWD Market Report contents the PEX and PE-RT Production Output 2010 for the regions:

- Europe (18 Countries)
- Australia / North America (3 Countries)
- South America (3 Countries)
- Middle East / Arabia / North Africa(8 Countries)

EUROPE	
	Producer
1	Austria
1	Belgium
1	Czech
1	Finland
3	France
17	Germany
8	Greece
2	Hungary
1	Ireland
22	Italy
1	Netherlands
7	Poland
4	Portugal
2	Romania
8	Spain
2	Sweden
3	Switzerland
2	UK (United Kindgdom)
86	TOTAL

Australia / North-America	
	Producer
2	Australia
5	Canada
7	USA
14	TOTAL

South-America	
	Producer
2	Argentina
1	Brazil
1	Chile
4	TOTAL

Middle East / Arabia / North Africa	
	Producer
9	Iran
2	Israel
5	Jordan
1	Morocco
1	Syria
2	Tunisia
10	Turkey
2	UAE
32	TOTAL

The KWD Market Report contents the PEX and PE-RT Production Programme for the regions

- Asia / Pacific..... (6 Countries)
- Eastern Europe (except EU)..... (4 Countries)

For Eastern Europe (except EU) we have foregone to provide concrete data on production volumes of PE-X or PE-RT pipe manufacturers, and have restricted ourselves to list those manufacturers known to us as well as their product range. Because, while in very few cases the volumes may be known to us, to list data for all others would simply be a case of speculation.

For Asia / Pacific the reasons for not listing product volumes are

- Reliable data on volumes issued by international raw material suppliers is not available.
- Mainly raw material from far east suppliers are being used
- Particularly Chinese pipe manufacturers process, as a rule, all types of Polyolefin material on their systems
- In view of the permanent fluctuation is it possible that data provided today is overtaken by reality tomorrow

Asia / Pacific	
Producer	
62	China
2	Hong Kong
5	India
2	Korea / South Korea
1	Malaysia
2	Japan
74	

Eastern-Europe (except EU)	
Producer	
1	Armenia
1	Kasachstan
17	Russia
0	Ukraine
17	TOTAL

Graphic Charts / Contents:

- PEX Pipes in Germany 2010
- PEX and PE-RT Pipes in Germany 2010
- PEX and PE-RT Pipes in Italy 2010
- PEX Pipes in Europe 2010
- PEX and PE-RT Pipes in Europe 2010
- The most important PE-RT Producers in Europe 2010
- The most important PE-Xa Producers in Europe 2010
- The most important PE-Xb Producers in Europe 2010
- The most important PE-Xc Producers in Europe 2010
- PEX Pipes in Australia / North America 2010
- PEX and PE-RT Pipes Australia / North America 2010
- The most important PE-Xb Producers in Australia / North America 2010
- PEX Manufacturers in South-America 2010
- PEX Pipes in Middle East / Arabia / North-Africa 2010
- PEX and PE-RT Pipes Middle East / Arabia / North-Africa 2010
- The most important PEX Producers in Middle East / Arabia / North-Africa 2010

Chapter “PEX / PE-RT Pipes, Production Output 2010” / Contents

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- PEX / PE-RT Pipes Production Output 2010: South-America 22
- PEX / PE-RT Pipes Production Output 2010: Middle East / Arabia / North Africa 23
- PEX / PE-RT Companies and Production Programme: Eastern Europe (except EU) 26
- PEX / PE-RT Companies and Production Programme: Asia Pacific (except EU) 28

Page Sample and Explanation of the spreadsheet: “Poland Production Output 2010”

	A	B	C	D	E	F	G	H	I
1									Poland
3		Producer	Plastic Pipes	Multi Layer Metal		PE-Xa	PE-Xb	PE-Xc	PE-RT
4			Single and Multilayer	Pipes --> Inliner		2010	2010	2010	2010
5	1	Elplast	PE-RT						0,70
6	2	KAN	PE-RT	PE-RT					4,50
7	3	Multilayer Pipe Company, MPC	PE-Xc	PE-RT, PE-Xc				3,00	
8	4	Nibco		PE-RT					
9	5	Rofix		PE-Xb, PE-RT					
10	6	SKS Pipes (Kisan)		PE-Xb, PE-RT					
11	7	TweeTop		PE-Xb, PE-RT					
12	7					0,00	0,00	3,00	5,20

How to read the spreadsheets

Column A: Consecutive numbering of the manufacturers

Column B: Producers / Manufacturers

Column C: Product Programm of single or multi layer PEX and PE-RT pipes
(without aluminium composite pipes)

Column D: PEX and PE-RT inner layer of multi layer metal (aluminium composite) pipes
(Only for information, these pipes are not included in the production output)

Column F: Production Output in 2010 of single of multi layer PE-Xa pipes in million metres

Column G: Production Output in 2010 of single of multi layer PE-Xb pipes in million metres

Column H: Production Output in 2010 of single of multi layer PE-Xc pipes in million metres

Column I: Production Output in 2010 of single of multi layer PE-RT pipes in million metres

Examples / Explanation

Row 2: KAN /Poland produced 3 million metres PE-RT plastic pipes in 2010.
In addition KAN has PE-RT multi layer pipes with an aluminium layer in its production programme. But the volume is not included in the Production Output (column I).

Row 4 - 7: Those companies do not produce PEX or PE-RT single or multi layer plastic pipes.
So there is no productin output. Buf for your information you can see the product programme of PEX and PE-RT multi layer metal pipes.

Row 12: TOTAL LINE, at each end of the listing (per country and region)

Pages samples of the spreadsheets and graphic charts

PEX / PE-RT Pipes, Production Output		PEX / PE-RT Pipes, worldwide 2011				
PEX / PERT Pipes Production Output 2010: Europe						
EUROPE	PEX and PE-RT Production Programme	Production Output in Million Metres				
Austria						
Producer	Plastic Pipes Single and Multilayer	Multi Layer/Metal Pipes -> Inliner	PE-Xa 2010	PE-Xb 2010	PE-Xc 2010	PE-RT 2010
1	Milbheim	PE-RT				
2	Univerca	PE-RT				
3						

PEX / PE-RT Pipes, Production Output		PEX / PE-RT Pipes, worldwide 2011				
PEX / PERT Pipes Production Output 2010: Australia / North-America						
Australia / North America	Production Programme	Production Output in Million Metres				
Austria						
Producer	Plastic Pipes Single and Multilayer	Multi Layer/Metal Pipes -> Inliner	PE-Xa 2010	PE-Xb 2010	PE-Xc 2010	PE-RT 2010
1	Reliance Worldwide	PE-Xb				
2	Auspex	PE-Xb				
3						

PEX / PE-RT Pipes, Production Output		PEX / PE-RT Pipes, worldwide 2011			
PEX / PERT Pipes, worldwide 2011					
<p>PEX Pipes in Middle East / Arabia / North-Africa 2010</p> <p>© KWD-globalpipe 2011</p>					
<p>PEX and PE-RT Pipes in Middle East / Arabia / North-Africa 2010 in Million Metres</p> <p>© KWD-globalpipe 2011</p>					
<p>The most important PEX Producers in Middle East / Arabia / North-Africa 2010 in Million Metres</p> <p>© KWD-globalpipe 2011</p>					

PEX / PE-RT Pipes, Production Output		PEX / PE-RT Pipes, worldwide 2011				
PEX / PERT Pipes Production Output 2010: Australia / North-America						
Australia / North America	Production Programme	Production Output in Million Metres				
Austria						
Producer	Plastic Pipes Single and Multilayer	Multi Layer/Metal Pipes -> Inliner	PE-Xa 2010	PE-Xb 2010	PE-Xc 2010	PE-RT 2010
1	JM Eagle	PE-Xb				
2	Mercury Plastics, USA	PE-Xc				
3	Nibco	PE-Xc				
4	Qilorek	PE-RT				
5	Rehau	PE-Xa				
6	Uponor (incl. Wraab)	PE-Xa				
7	Wega (incl. Vanguard US)	PE-Xb				
8	Zum	PE-Xb				

PEX / PE-RT Pipes, Production Output		PEX / PE-RT Pipes, worldwide 2011				
PEX / PERT Pipes Production Output 2010: Australia / North-America						
Australia / North America	Production Programme	Production Output in Million Metres				
Austria						
Producer	Plastic Pipes Single and Multilayer	Multi Layer/Metal Pipes -> Inliner	PE-Xa 2010	PE-Xb 2010	PE-Xc 2010	PE-RT 2010
1	Acome	PE-Xc				
2	Comap	PE-Xb				
3	Rehau	PE-Xa				
4						

PEX / PE-RT Pipes, Production Output		PEX / PE-RT Pipes, worldwide 2011				
PEX / PERT Pipes Production Output 2010: Australia / North-America						
Australia / North America	Production Programme	Production Output in Million Metres				
Austria						
Producer	Plastic Pipes Single and Multilayer	Multi Layer/Metal Pipes -> Inliner	PE-Xa 2010	PE-Xb 2010	PE-Xc 2010	PE-RT 2010
1						
2	Australia		0,00			
3	Canada		15,00			
4	USA		45,00			
5	TOTAL		60,00			

Manufacturers of PEX, PE-Xa, PE-Xb, PE-Xc and PE-RT pipes

This listing includes the companies and web addresses. The report also includes a detailed listing with company address, product programme and brand names.

Page Samples

PEX / PE-RT Pipes, worldwide 2011		Manufacturer of PE-Xb pipes			
Manufacturer of PE-Xb pipes		Manufacturer of PE-RT pipes			
ARGENTINA	Giacomini Latinoameri				
AUSTRALIA	AUSPEX Pty Ltd A divi GSA Industries (Aust)				
AUSTRALIA	Reliance Worldwide				
BRAZIL	Tigre S/A				
CANADA	Bow Plastics Ltd. Bow Group				
CANADA	Ipex Inc.				
CANADA	Vanguard Pipe & Fitting				
CANADA	Watts Canada				
CHILE	THC Chile S.A.				
CHINA	Akan Enterprise Group				
CHINA	Cixi Runzhou Pipe Indu Ltd				
CHINA	DreamManor Manufactur				
CHINA	Fengyue Piping Co., Lt				
CHINA	Foshan Jinhaobo Tube				
CHINA	Foshan Rifeng Enterpr Ltd.				
CHINA	Ginde Plastic Pipe Indu				
CHINA	Kai Tai Pipe Co., Ltd.,				
CHINA	Shandong G.Star Science&Technology C				
CHINA	Shanghai Leex Pipe Co				
CHINA	Shanghai Union Pipe C				
CHINA	Weifang Palconn Plast Technology Co., Ltd.				
CHINA	WuXi Pipe Solution Co				
CHINA	Zhejiang Dunnyun Valve				
CHINA	Zhejiang Golden Suntu Chemical Ltd.				
CHINA	Zhejiang New Dongshu Industry Co., Ltd.				
CHINA	Zhejiang Shenfeng Pip				
CHINA	Zuhai Hansen Techno Ltd				
CZECH REPUBLIC	Revel, s.r.o.				
FRANCE	Comap S.A. Headquar Siège social				
www.kwd-globalpipe.com		www.kwd-globalpipe.com			

PEX / PE-RT Market, Summary 2009 - 2011

KWD-globalpipe publishes weekly a newsletter with information on pipes and fittings for hot and cold water systems.

123 articles: In the chapter „PEX and PE-RT Market, Summary” all published articles from January 2009 till July 2011 about PEX and PE-RT pipes are collected. In these articles it concerns of product descriptions, company information, market trends and certifications.

An index / register at the end of the market report helps to quickly find the required information.

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- DIN: List of valid standards, on which certification scheme “plastic pipes” based 45
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- Era Group/China: Pipes and fittings manufacturer is going solar 48
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- Rifeng, China: Grand foundation ceremony of new production base has been held50

--> 123 articles

Creon: Plastic pipes industry in Russia turns into exclusive club of large companies

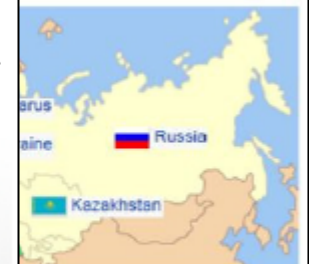
⇒ PEX, Creon, Russia

Plastic pipes market unable to return to pre-crisis figures in 2010; total accumulated capacities about three times greater than volume of production. / Kazakhstan: Plastic pipes market poorly developed; lobby of steel pipes manufacturers still strong. / Surrogate raw materials wide use – Kitzie: If the market continues to move in the same direction, it will become an inert environment, with just 3-4 companies, with no growth and development.

KWD-SHK, 18.05.2011. The company CREON is an independent Russian company dealing in consulting in the chemical and petrochemical industrial complex and related industries. Apart from advisory, consulting and information services CREON is highly active in the field of public relations. Conferences, forums, roundtables with extensive topic discus-



ation and facilitate discus-
business.
Hotel Baltshug Kempinski.



World Cup, APEC summit,
figures in 2010. According to
the volume of production.

Hewing/D presented PE-Xc, multi-chamber and new PA pipe generation at ISH

⇒ PE-Xc, Hewing, Europe

The high-quality PE-Xc pipe with its excellent mechanical and chemical properties has long been established in the sanitary and heating industry. Hewing, one of the global market leaders in the production of these pipes is now expanding to other industrial segments.



KWD-SHK, 15.04.2011. Hewing GmbH has a wealth of experience in the sustained production of pipes for drinking water installations and the heating-cooling segment with over 2 billion PE-Xc pipes and aluminum multilayer pipes produced.

PE-Xc and PE-Xc multilayer pipes: Simple PE-pipes are converted into PE-Xc pipes with outstanding properties thanks to physical crosslinking. The combination of two PE-X pipe layers with an aluminum layer on the inside results in a premium, butt-welded aluminum multilayer pipe. At Hewing there are virtually no limits set on meeting customers' requirements in terms of colour, dimensions, material thickness, signature and other parameters. The manufacturer can now meet the numerous customer requests for sophisticated pipe designs in visible installation areas thanks to the chrome pipe added to the range. In addition to countries like and where installation in visible areas is common practice, the com-



Blansol/Spain at ISH 2011 in Frankfurt: New PE-Xa pipe production

⇒ PE-Xa, PE-Xb, Blansol, Europe, Spain

Industrial Blansol presented itself at the 2011 ISH – in a manner that could hardly be overlooked – as “The biggest manufacturer of PEX and Multilayer pipes in the south of Europe” with new PE-Xa production.



KWD-SHK, 27.04.2011. On two extrusion lines, PE-Xa pipes are already being manufactured in its newly completed factory in Bárcena de Cicero. Production volumes of PE-Xb pipes will slowly but surely be reduced in favor of the manufacture of PE-Xa pipes, as we, the team of KWD, were informed at the ISH by Ivan Ziegler, Export Manager of Industrial Blansol.



Ivan Ziegler (Export Manager of Blansol) discussing with Jutta Hix (Chief Editor of KWD publishing house) at ISH 2011.

Another focal point at the exhibition was the tool-less ixPress fitting, already well introduced to the market. Uponor presented at this year's ISH a new fitting following the same principles.



Behind this apparent simplicity there is thorough research work, Japan encourage se

ready been sold. The sophisticated by Industri used in Japan for mar system will permit one installations. From the special solutions such ceiling manifolds. The ix PEX pipe s (Beige colour 5.0).

Industrial Blansol

IPA/Tunisia exhibited at ISH - Multilayer pipe market share about 90% in Tunisia

⇒ PE-Xb, IPA, Tunisia

IPA, member of the SCIPP Group, founded in 1999, produces PE-Xb and PE-Xb multilayer pipes IPALPEX for sanitary and heating. It can compete with the biggest manufacturers in the world. IPA exhibited at the ISH 2011 in Frankfurt.



KWD-SHK, 27.04.2011. As the first Arabian-African company producing multilayer pipes, IPA fixed as objective to supply a high quality product to compete with the biggest manufacturers in the world. IPA is made of a very young and dynamic team trained by the European specialists of this pipe. Having several certificates and approvals, (CSTB 152-1223, ISO 9001 (version 2000), IPL), IPA tries continuously to satisfy its customers by being closer to their needs. It has an excellent brand image thanks to its quality products constancy. Its markets stretches over the Mediterranean basin area (Arabic Maghreb, Italy, Turkey, Greece, Lebanon, Jordan, and Kosovo) and IPA aims to



DIN: Plastics piping systems for floor heating and radiator connecting systems

⇒ PEX, PE-Xa, PE-Xb, PE-Xc, Testings/Approvals, DIN

Overworked certifications scheme for plastics piping systems for warm water surface heating systems and radiator connecting systems.



KWD-SHK, 01.07.2011. Copper or steel pipes have been used predominantly in the past in heating technology. The sector has since learnt to appreciate the benefits of plastic piping systems. Light weight and high flexibility ensure simple and fast laying.

This is why plastic pipes are used mainly when laying underfloor heating in Germany. There are also a variety of systems available for the application as radiator connecting pipes. The following materials are used:

- PE-X Crosslinked polyethylene (PE-Xa, PE-Xb, PE-Xc)
- PP Polypropylene
- PB Polybutylene
- PE-RT Polyethylene with higher temperature resistance
- PVC-C Post chlorinated polyvinyl chloride
- PE-MDX Medium density crosslinked polyethylene
- MVR Multilayer composite pipes



As oxygen entering the heating system can result in problems with corrosion to the iron parts (heating boiler, radiators) and therefore has a significant impact upon the life of the system, all the plastic pipe systems have to be oxygen-tight to DIN 4726.

With the accredited and independent certification mark "DIN-Geprüft", DIN CERTCO enables the manufacturer to convince their customers of the quality of their products and provide the customer with assistance in his purchase decision; as our mark stands for trust!



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Zhe-Jiang-Nanfeng	122
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Certifications, Complete Listing

KWD-globalpipe lists regularly certifications for pipes and fittings for hot and cold water systems.

In this chapter all certifications for manufacturers of PEX and PE-RT pipes are listed. The listing includes the expiry date.

Page Samples

Acome Département Batiment						Institute	Country	Website
www.acome.fr / FRANCE						AENOR	E	www.aenor.es
001/004570	AENOR	Acome	PEX pipes	FH				
14/04-913	CSTB	ACOPEX Alu	Multilayer piping systems		ATG	B	www.ubatc.be	
14/05-990	CSTB	Acome MT	Fittings (unspecified)		CSTB	F	www.cstb.fr	
14/06-1081	CSTB	Nobutherm	PB piping systems		DIN CERTCO	D	www.dincertco.de	
14/06-1081*01 Ext	CSTB	Climasol PB	PB piping systems		DNV	N		
14/07-1146	CSTB	Ecotube EuroPEX	PEX piping systems		DVGW	D	www.dvgw.de	
14/07-1146*01 Ext	CSTB	Cal Fluides	PEX piping systems		GASTEC	GB	www.gastecuk.com	
14/07-1209					IIP	I	www.iip.it	
3V225 PE-Xc					Kiwa	NL	www.kiwa.nl	
7F233					NSF		www.nsf.org	
A 443					SKZ	D	www.skz.de	
					SVGW	CH	www.svgw.ch	
					WRAS	GB	www.wras.co.uk	
					ÖNORM	A	www.as-plus.at	
					ÖVGW	A	www.ovgw.at	
Rehau AG + Co								
www.rehau.de / GERMANY								
3V226 PE-Xa	DIN	Rautherm S	PEX piping systems					
3V227 PE-Xa	DIN	Rautherm S	PEX piping systems					
3V252 PE-Xa	DIN	Rautitan pink	PEX piping systems					
3V253 PE-Xa	DIN	Rautitan pink	PEX piping systems					
3V257 PE-Xa	DIN	Rautitan flex	PEX piping systems					
3V275 PE-Xa	DIN	Rautitan flex	PEX piping systems					
3V305 PE-X	DIN	Fusapex fitting + Rautherm-FW pipe	PEX piping systems					
3V306 PE-Xa	DIN	Rautherm S	PEX piping systems					
3V307 PE-Xa	DIN	Rautherm S	PEX piping systems					
7F025-F	DIN	Rehau	PEX pipes in FH-systems	FH			2014/11/30	
7F026-F	DIN	Rehau Rautix	PEX pipes in FH-systems	FH			2013/10/30	
7F027-F	DIN	Rehau tackler system	PEX pipes in FH-systems	FH			2013/10/30	
7F106-F	DIN	Rehau dry system	PEX pipes in FH-systems	FH			2015/12/31	
7F186-F	DIN	Rehau basic plate TS-14	PE-RT pipes in FH-systems	FH			2014/12/31	
7F218	DIN	Rehau knob plate Varinova	PEX pipes in FH-systems	FH			2011/03/31	
7F224	DIN	Rehau knob plate Varinova	PEX pipes in FH-systems	FH			2011/03/31	
7F226	DIN	Rehau knob plate Varinova	PEX pipes in FH-systems	FH			2011/03/31	
7F339-F	DIN	Rehau dry system	PEX pipes in FH-systems	FH			2015/09/30	
7F340-F	DIN	Rehau dry system	PEX pipes in FH-systems	FH			2015/09/30	
A 108	SKZ		PEX pipes					
DW-8209BQ0171	DVGW	Rautitan stabil	Multilayer pipes				2013/12/31	
DW-8301AG2102	DVGW	Rehau	PEX pipes				2014/12/31	
DW-8302AC2931	DVGW	Rehau	PEX pipes				2014/12/31	
DW-8501AL2200	DVGW	Rautitan flex	PEX piping systems	SA			2014/09/20	
DW-8501AL2346	DVGW	Rautitan stabil	Multilayer piping systems				2010/08/31	
DW-8501BS0515	DVGW	Raumulti press		SA			2012/09/27	
DW-8511AP3133	DVGW	Rautitan his	Fittings (unspecified)	RA			2014/12/31	
K20124/03	Kiwa		PEX piping systems	RA				
K20406/02	Kiwa		PEX piping systems	SA				
K20424/01	Kiwa		PEX piping systems	RA				
K20434/02	Kiwa		Multilayer piping systems	SA				
K20435/03	Kiwa		Multilayer piping systems	RA				
K43388/01	Kiwa		PEX piping systems	RA				
K48606/01	Kiwa		Multilayer piping systems	RA				
K48607/01	Kiwa		Multilayer piping systems	SA				
K5122/02	Kiwa		PEX piping systems	SA				

Companies alphabetical

This chapter contains the following information for all companies, that are manufacturer or distributor of either PEX and PE-RT single and multi layer (plastic and metal) pipes.

- Company
- Street
- City
- Country
- Telephone and Fax
- Homepage and E-Mail
- Categories / Product Programm
- Brands

Note: To find out which pipes are manufactured by the listed company, we put a “- manufact.” Right after the pipe material.

For example:

Categories / Product Program:

- pipes / PE
- pipes / PEX
- pipes / PP-R - manufact.
- pipes / preinsulated
- pipes for drainage and sewerage

This company is manufacturer of PP-R pipes and Distributor of PE and PEX-pipes.

The company also has preinsulated pipes and pipes for drainage and sewage in its production programme.

Complete Listing as pdf-file on CD-ROM

On the appended CD-RIM, the complete listing of companies, addresses, product programme and brand can be found as pdf-file.

PEX / PE-RT Pipes, worldwide 2011

Companies alphabetical

Acome Département Batiment
52, rue du Montparnasse
Paris, 75014
FRANCE
Tel: +33 14279 / 1400
Fax: +33 14279 / 1500
Homepage: www.acome.fr

Categories / Product Program:

- floor-, wall- and overhead heating: electrical
- hydronic floor-, wall- and overhead heating: warm water
- pipes: multilayer / composite pipes (PE-Xb / Al / ...)
- pipes / PB
- pipes / PE-Xc - manufact.

Brands:

ECOTUBE® PE-Xc piping system
EUROPEX® PE-Xc piping system
ACOPEX ALU (PE-Xb / Al / PE-Xb multilayer pipe)
THERMACOME liquid screed (floor heating + cooling system)
VIVRACOME wet underfloor system
ECO-THERMACOME underfloor system
ELEATRAM electric radiating underfloor heating system
AQUACOME system (including PE-Xc pipes)
CLIMASOL PB (PB piping system)
NOBUTHERM (PB piping system)

Advance-Tech Co., Ltd.
High-Tech Industry Park, Zhongshan Avenue, Tianhe
6/f, No. 9 Jiangong Road,
Guangzhou, 510685
CHINA
Tel: +86 20 855 / 441 58
Fax: +86 20 855 / 449 87
Homepage: www.pipe-machine.com
E-Mail: info@advance-tech.cn

Categories / Product Program:

- extrusion lines for plastic tubing, corrugators, equipment
- pipes: multilayer / composite pipes (PEX / Al / ...)
- pipes / PE
- pipes / PE-RT
- pipes / PP-R
- pipes / PVC

AGRU-FRANK GmbH
Dieselstraße 1 - 7
Wölfersheim-Berstadt, 61200
GERMANY
Tel: +49 60 36 / 97 91 0
Fax: +49 60 36 / 97 91 68 0
Homepage: www.agru-frank.de
E-Mail: info@agru-frank.de


Categories / Product Program:

- pipes / PE
- pipes / PE-Xa
- pipes for drainage and sewerage
- pipes for gas

Brands:

Orderform

Please use the above orderform or just order by E-Mail to: hix@kwd-online.de.

KWD-globalpipe publishing house Dipl.-Ing. Jutta Hix Publisher Luisenstraße 6 D-58332 Schwelm		Tel. +49 2336 / 40 66 42 Fax +49 2336 / 40 66 41 hix@kwd-online.de		 www.kwd-online.de g l o b a l p i p e www.globalpipe.de	
Orderslip					
Prices + MwSt. in Germany / Orders from foreign countries only by PrePaying + shipping charges Europe: 17 € by mail order, Rest of World 39 € by mail order					
KWD - Market-Studies		Prices in €		only for subscribers	
KWD Market+Charts "Heating&Plumbing Europe 2010" 28 Countries, charts and coloured graphics, register of companies on CD -> CD and printed book A4, in english language = Standard Version: -> additional Charts+Graphics as Excel-spreadsheet = Premium Version:		990,- <input type="checkbox"/> 1.220,- <input type="checkbox"/>		740,- <input type="checkbox"/> 980,- <input type="checkbox"/>	
NEW KWD Market Report "PEX and PE-RT Heating&Plumbing Pipes worldwide 2011" Production Output, Summaries, Companies, 334 pages, CD + Print Charts+Graphics additionally as Excel-spreadsheet, in english language		990,- <input type="checkbox"/>		860,- <input type="checkbox"/>	
KWD Market+Charts "Multilayer Pipes Worldwide 2010" 138 Manufacturers, 250 Companies, 202 Pages, CD, Print and Excel spreadsheet, in english language		1.200,- <input type="checkbox"/>		950,- <input type="checkbox"/>	
KWD Market Report "PP-R Pipe Systems for Hot Water Installations worldwide 2009" 86 Seiten, farbige Graphiken, CD + Druck in deutscher Sprache 86 pages, coloured graphics, CD + Print in english language		600,- <input type="checkbox"/> 600,- <input type="checkbox"/>		480,- <input type="checkbox"/> 480,- <input type="checkbox"/>	
KWD Market Survey "Fittings in Europe" in preparation, scheduled in autumn 2011					
KWD-Newsletter				Prices in €	
KWD-Sanitär, Heizung, Dämmung - Jahresabonnement in deutscher Sprache Märkte, Unternehmen, Trends (40 Ausgaben im pdf-Format)				150,- <input type="checkbox"/>	
KWD-Fenster, Türen und Umfeld - Jahresabonnement in deutscher Sprache Märkte, Unternehmen, Trends (40 Ausgaben im pdf-Format)				150,- <input type="checkbox"/>	
KWD-globalpipe , Fittings + Pipes - Yearly Subscription in english language Markets, Companies, Trends (40 Issues per Year as pdf-file)				250,- <input type="checkbox"/>	
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Address: _____					
Name: _____ E-Mail: _____					
Date: _____ Signature: _____					
Beneficiary for PrePayment: Jutta Hix - Publisher, Luisenstrasse 6, D-58332 Schwelm bank name: Stadtparkasse Schwelm, bank address: Hauptstrasse 63, D-58332 Schwelm sort code number: 454 515 55, bank account number: 30 551, VAT-No: DE 814 384 688 Swift-BIC: WELADED1SLM, IBAN: DE1045451555000030551 (Please add "PrePayment")					
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