



PRESSURE PIPING  
SYSTEMS

CROSS-LINKED POLYETHYLENE PIPES PEX-b  
for Heating-Sanitation-Cooling

T-MECH PEX

T - M E C H P E X P I P E S & F I T T I N G S

member of **THOMSUN** group

[www.thomsun.com](http://www.thomsun.com)



# CERTIFICATE

*This is to Certify that the  
Quality Management System  
of*

## **THOMSUN METAL & PIPES MANUFACTURING LLC**

P.O.BOX 6419, AJMAN INDUSTRIAL AREA 1,  
GHARNATA STREET AJMAN, UAE.

has been independently assessed and is compliant  
with the requirements of

**ISO 9001:2015**

This Certificate is applicable to the following product or service ranges:

**MANUFACTURING OF PPR PIPES & FITTINGS  
PIPE HANGERS & SUPPORTS**

:: Certificate No :: **AE205585A**

# ASSESSMENTS

Date of initial registration	14 July 2018
Date of this certificate	14 July 2018
Surveillance audit on or before	13 July 2019
Recertification Due / Certificate expiry	13 July 2021

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

Director

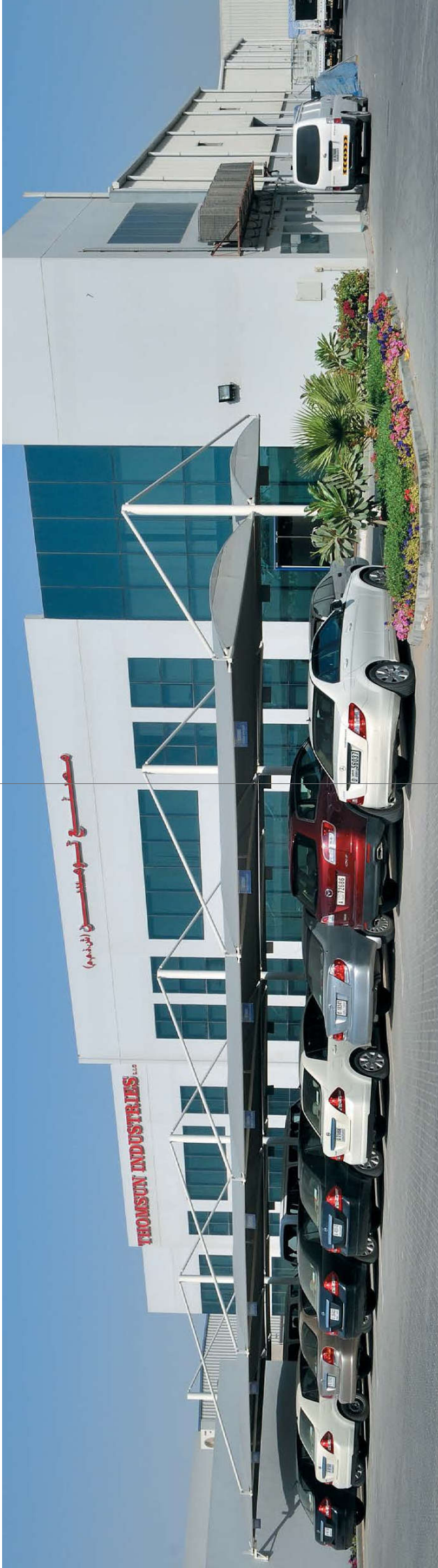


**LMS Certifications Private Limited**  
1-Anaraddham, Opp. Kukrail Picnic Spot Gate,  
Faridli Nagar, Lucknow - 226015, UP, (INDIA).  
e-mail :- [info@lmsassessments.com](mailto:info@lmsassessments.com).  
Visit :- [www.lmsassessments.com](http://www.lmsassessments.com).





## Introduction



**THOMSUN** was established in the year 1976 in Dubai by directors Mr. K. V. Thomas, Mr. V. T. John and Mr. P. Srinivas. The vision and work ethic etched out over the years with the foresight to diversify into new disciplines at the right times have seen the activities of the group grow to become the multi-faceted and diversified entity it is today. With a strong history and credibility, Thomsun over the years has business interests in various core industries in the Gulf and Indian subcontinent.

Steered by visionary professionals and powered by the intelligent use of technology, the Thomsun group, a 3000 strong work force, has marked many entrepreneurial built on strong fundamentals, the Thomsun Group has emerged as a market leader in the sectors it functions in through its focused approach, strong market intelligence, attention to details, sound deployment of modern technology and a commitment to quality.

- Electromechanical
- Professional & Consumer Electronics
- Audio visual & consulting

- Music Education
- Printing & Packaging
- Pre-Press & Digital Printing
- Display Solution
- Logistics & Distribution
- Food Processing & Supplies
- Supermarket & Bakeries
- Furniture
- Lighting
- Sea food Processing & Trading
- Meat & Vegetable Processing & Trading

## CROSS-LINKED POLYETHYLENE PIPES PEX-B

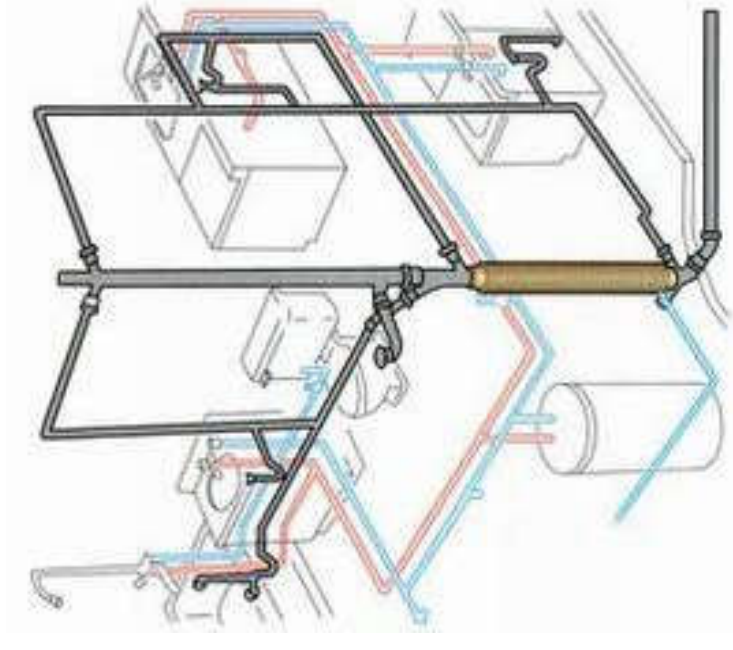
T-MECH pipes are produced from high density polyethylene and are cross linked by SILAN method (PEX-b), according to European Normes EN 15875 and DIN 16892/16893 specifications, with usage of last generation raw materials, that are supplied by the largest international companies of its kind. They are certified not only for their mechanical resistance, but also for their suitability for use in drinkable water networks from international institutes SKZ, WRAS, MPA, CSA, NSF, ITS and ELOT.They are accompanied by guarantee up to 2.000.000 CHF.



## Advantages

- No corrosion
- Increased maximum operating temperature
- Reduced deformation under load (creep)
- Improved aging resistance
- Improved chemical resistance
- Improved abrasion resistance
- Improved impact strength
- Reduced raid crack propagation (RCP) even at low temperatures
- Outstanding resistance to slow-crack growth

## Application



- Under floor Heating
- Central Heating
- District Heating
- Domestic Cold & Hot Water



## Corrugated Sleeve – RED/BLUE

Part.No.	Internal Diameter (mm)	Packing Unit
TMPXSLB16	25	50mtrs
TMPXSLR16	25	50mtrs
TMPXSLB20	32	50mtrs
TMPXSLR20	32	50mtrs



## PEX-Xb

Part.No.	Dimension	Packing Unit
TMPX1620	16mm X 2.0	100mtrs
TMPX1622	16mm X 2.2	100mtrs
TMPX2020	20mm X 2.0	100mtrs
TMPX2028	20mm X 2.8	100mtrs



## PEX Protection Cap

Part.No.	Dimension
TMPXECB16	16 mm
TMPXECR16	16 mm
TMPXECB20	20 mm
TMPXECR20	20 mm



## Female Elbow

Part.No.	Dimension
TMPXELB816	16 mm x 1/2"
TMPXELB816	16mm x 1/2"
TMPXELB820	20mm x 1/2"
TMPXELB820	20mm x 1/2"



## Male Adaptor

Part.No.	Dimension
TMPXMA16	16 mm x 1/2"
TMPXMA20	20mm x 1/2"



## Female Adaptor

Part.No.	Dimension
TMPXFA16	16 mm x 1/2"
TMPXFA20	20mm x 1/2"



## Coupling

Part.No.	Dimension
TMPXC16	16 mm
TMPXC20	20mm



## PEX Nipple

Part.No.	Dimension
TMPXPN12	1/2"
TMPXPN34	3/4"



**Manifold**

Part.No.	Dimension	Outlets
TMPXM3412	3/4" x 1/2"	2 Way
TMPXM3412	3/4" x 1/2"	3Way
TMPXM3412	3/4" x 1/2"	4 Way
TMPXM3412	3/4" x 1/2"	5 Way
TMPXM3412	3/4" x 1/2"	6 Way

Part.No.	Dimension	Outlets
TMPXM112	1" x 1/2"	2 Way
TMPXM112	1" x 1/2"	3 Way
TMPXM112	1" x 1/2"	4 Way
TMPXM112	1" x 1/2"	5 Way
TMPXM112	1" x 1/2"	6 Way

Part.No.	Dimension	Outlets
TMPXM134	1" x 3/4"	2 Way
TMPXM134	1" x 3/4"	3 Way
TMPXM134	1" x 3/4"	4 Way
TMPXM134	1" x 3/4"	5 Way
TMPXM134	1" x 3/4"	6 Way

**Our Major Clients**

WE CARE ABOUT OUR CLIENTS..!



UNITED ARAB EMIRATES  
MINISTRY OF INFRASTRUCTURE  
DEVELOPMENT



وزارة الداخلية  
Ministry of Interior



برنامج الشيخ زايد للإسكان  
Sheikh Zayed Housing Programme



إينوك  
enoc



**DAMAC**



مجدد الفطيم  
MAJID AL FUTTAIM



**DANUBE**  
PROPERTIES

**A R A D A**

# **THOMSUN**

**METAL & PIPE MANUFACTURING L.L.C**

P.O. Box: 6419 | Dubai | UAE | Tel: +971 4 885 4000 | Fax: +971 4 885 1010  
E-mail: [sales@thomsunin.ae](mailto:sales@thomsunin.ae) | [www.thomsun.com](http://www.thomsun.com)