

# eppi

Established in 2000

مصنع الإمارات لتصنيع الأنابيب المعزولة (ذ.م.م)

Emirates Preinsulated Pipes Industries (LLC)

Abu Dhabi, United Arab Emirates



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**EPPI** was established in the year 2000 in response to the needs of the local market in having a reliable manufacturer for preinsulated pipes for the district cooling industry. Our manufacturing facility is located in the Industrial City of Abu Dhabi (ICAD-1) with two major factories occupying a combined plant area of 48000 square meters. Our storage areas are capable of stockpiling more than 50-km of pipes in mixed sizes, several thousands of fittings, hundreds of tons of raw material in both plastics and chemicals.



Large Production Facilities



High Pressure Injection – PIP



HDPE Extrusion Line -1200



HDPE Extrusion Line - 400



Flexible 3-IN-1 Preinsulated Pipe Production Line

The factories are equipped with two production lines for preinsulated pipes, a dedicated steel fabrication and welding workshop with NDT (Non Destructive Test) bunker; The dual blasting stations - manual and auto-blast with an airless - spray coating shed; plastic fabrication and fittings insulation stations; Two automated plastic extrusion lines; three-in-one automated flexible preinsulated pipe production line and field joint kits (ray joint) production line. **EPPI** offers complete steel pipe protection services prior to insulation, such as, shot/grit blasting on internal & external surfaces. Airless spray epoxy coating is applied as per the project's specification.



Auto Blasting Station



Non Destructive Test Bunker



Coating Shed



**EPPI** has a team of highly trained fabricators, technicians and certified welders to handle all steel pipe fabrication processes including cutting, threading, grooving and welding according to international standards such as API and ASME. All welding processes will undergo non destructive testing along with the required in-house and third-party test programs.



Steel Fabrication Workshop



Quality Control Laboratory

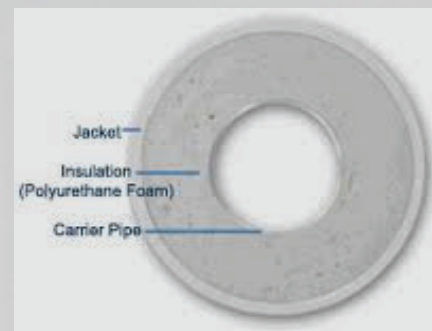
**EPPI** provides quality products, piping system stress analysis capability, incorporation of leak detection and surveillance system, on-site technical assistance and installation supervision whenever needed. Our Quality Management system is an ISO 9001:2008 certified throughout the entire manufacturing processes. We have an approved EHS Management System (EHSMS) implemented to protect Environment, Health and Safety of all employees and the society in general.

**EPPI** is equipped with the latest technology in polyurethane (PUR) foam dispensing and processing techniques to ensure the quality of the factory-applied insulation. Our insulation process is among the foremost in the region to be 100% CFC-free, which supports the elimination of ozone-depleting potential with ZERO-ODP. Our extrusion technology is state-of-the-art with fully-automated processes to produce seamless monolithic solid-wall controlled quality high density polyethylene (HDPE) pipe profile.

### **PREINSULATED PIPING SYSTEMS... TECHNOLOGY FOR THE FUTURE**

**EPPI's** preinsulated piping systems have several compelling advantages over traditional insulated pipes. Preinsulated pipes using polyurethane foam have higher insulation qualities. The heat loss/gain in a preinsulated pipe is approximately 40% less than in traditional insulation. This translates into substantial energy savings over a short period of time.

The seamless casing is made of black high density polyethylene material, produced in accordance with EN253 standard specifications. Black HDPE jackets are proven to have long term resistance to weathering, ultraviolet rays, ground salts and chemicals. It makes it an ideal choice for both outdoor and underground applications. The piping system together with insulation and jacketing have a very high mechanical strength which makes **EPPI's** preinsulated piping systems resistant to high physical load and stress. Long term service life, low operating and maintenance costs, reduced installation costs and effective corrosion resistance are just some of the factors that make **EPPI's** preinsulated piping systems the logical choice for today's cost conscious projects.



Cross Section - Pre insulated Pipe

## EPPi PRODUCTS LIST

- Pre-insulated Carbon Steel Pipes & Fittings (DN 6 to 1800mm)
- Pre-insulated rigid HDPE pipes & Fittings(125 to 1000 mm)
- Pre-insulated Flexible HDPE Pipes (20 to 110 mm)
- Pre-insulated Copper & GRP Pipes
- Ray Joint- Pressure Tested- Field Joint Kits (90 to 1600 mm)
- Conventional GI Mould - Heat Shrinkable Sleeve Field Joint Kits.
- Leak Detection System
- Seamless Solid Wall High Density Polyethylene (HDPE) Pipes, WRAS(U.K) Approved (20 to 1000 mm)
- Pre-insulated Puddle Flanges, Anchors, Expansion Joints
- End Seals, Dual Seals, Wrapping Tapes
- Customized Pre-insulated Pipes & Fittings
- Wall Entry Sleeves & Link Seals

## MAJOR PROJECTS EXECUTED

No.	Project Name	Location
1	Sheikh Zayed Military City	Abu Dhabi
2	Al Dhafra Airbase	Abu Dhabi
3	ADNOC, Residential Complex	Abu Dhabi
4	Al Raha Beach	Abu Dhabi
5	Yas Island Development	Abu Dhabi
6	Shams Reem Island	Abu Dhabi
7	Saadiyat District Cooling	Abu Dhabi
8	Yas Mall,Water Park	Abu Dhabi
9	Sheikh Zayed Medical Hospital	Abu Dhabi
10	Mahawi Camp	Abu Dhabi
11	Sweihan Air Base	Abu Dhabi
12	Souwah Island Development	Abu Dhabi
13	Mall of the Emirates	Dubai
14	Dubai Metro	Dubai
15	Burj Khalifa	Dubai
16	Dubai Motor City	Dubai
17	Dubai International Financial Center	Dubai
18	Dubai Health Care City	Dubai
19	Green Community	Dubai
20	Fujairah Desalination & Power Plant	Fujairah
21	Al Rawdha Palace	Al Ain
22	Al Ain Air College	Al Ain
23	UAE University Campus	Al Ain
24	Bawadi Mall	Al Ain
25	Ruwais Refinery (Takreer)	Ruwais
26	Maliha Camp	Sharjah
27	Khalifa Sports & Energy City	Qatar
28	West Bay	Qatar
29	Lusail Express Way	Qatar
30	Pearl Doha	Qatar
31	Porto Arabia	Qatar
32	Seef Project	Bahrain
33	Financial Harbor	Bahrain
34	Al Abdali Project	Jordan
35	The Wave Village Infrastructure	Oman
36	KOM	Oman
37	Military Technical College	Oman



Preinsulated Pipes Storage



Preinsulated HDPE fitting



Preinsulated Flexible Pipe (100 M)



Ray Joint Coupling