

# PIPING SYSTEMS FOR METALS AND MINING APPLICATIONS



## METALS & MINING APPLICATIONS

- Process Piping Systems
- Double Containment Systems
- Thermoplastic Valves
- Compressed Air
- Pressure Piping Systems
- Rigid PVC Conduit & Fittings
- Nonmetallic Light Fixtures
- PVC Raceway for HDD



We build tough products for tough environments®



# IPEX Integrated Thermoplastic Solutions

As one of the world's leading suppliers of thermoplastic piping products; IPEX offers a comprehensive range of integrated solutions to meet the needs of metals and mining applications.

The IPEX system consisting of Pipe, Valves, and Fittings (PVF) ensures uniform performance throughout mining facilities.

- Noncorroding properties ensure long-term performance coupled with low maintenance costs
- Lightweight thermoplastics are cost effective and easy to install
- Ease of installation and repair of systems makes IPEX the supplier of choice amongst maintenance personnel
- Available through an extensive network of local distributors
- Local sales representation provides support where and when you need it
- Onsite training, prior to installation, ensures systems are installed without issue
- Responsive product support is provided by our team of applications engineers, material scientists, technical sales representatives and chemists.

# Piping Systems for Metals & Mining Applications



## Process Piping Systems

- Xirtec® 140 Schedule 40 & 80 PVC
- Corzan® Schedule 40 & 80 CPVC
- Clear-Guard™ High Pressure Clear PVC Pipe
- Enpure™ High-Purity Polypropylene
- Duraplus™ Industrial ABS
- Ventilation Duct PVC & CPVC

## Compressed Air

- Duratec® Composite Airline
- Duraplus™ ABS Airline  
(only available in the U.S.)

## Double Containment Systems

- Guardian™ PVC & CPVC
- Encase™ Acid Waste Polypropylene
- CustomGuard® Custom-designed & Fabricated Systems
- Clear-Guard™ Clear PVC
- Centra-Guard™ Electronic Low Point leak Detection

## Thermoplastic Valves

- Ball Valves
- Check & Vent Valves
- Butterfly Valves
- Diaphragm Valves
- Specialty Valves
- Valve Actuation



## Pressure Piping Systems

- Bionax® PVCO Pipe (CIOD)
- Bionax® SR™ PVCO Seismic Water Pipe (CIOD)
- Blue Brute® PVC Pipe (CIOD)
- Blue Brute® PVC Fittings (CIOD)
- IPEX Centurion® PVC Pipe and Fittings (CIOD)
- Cycle Tough® PVC Series Pipe and Fittings (IPSOD)
- IPEX Fusible™ Fused Joint PVC Pipe (CIOD & IPSOD)
- TerraBrute® CR Restrained Joint PVC Pipe (CIOD)



## Rigid PVC Conduit & Fittings

- Scepter® Rigid PVC Conduit
- Scepter® Rigid PVC Fittings
- Brass & Nickel Cover Plates
- Scepter® JBox™ PVC Junction Box **NEW!**
- Scepter® JBox™ Hinged Cover **NEW!**
- EPR Repair Kit for Conduit & Duct

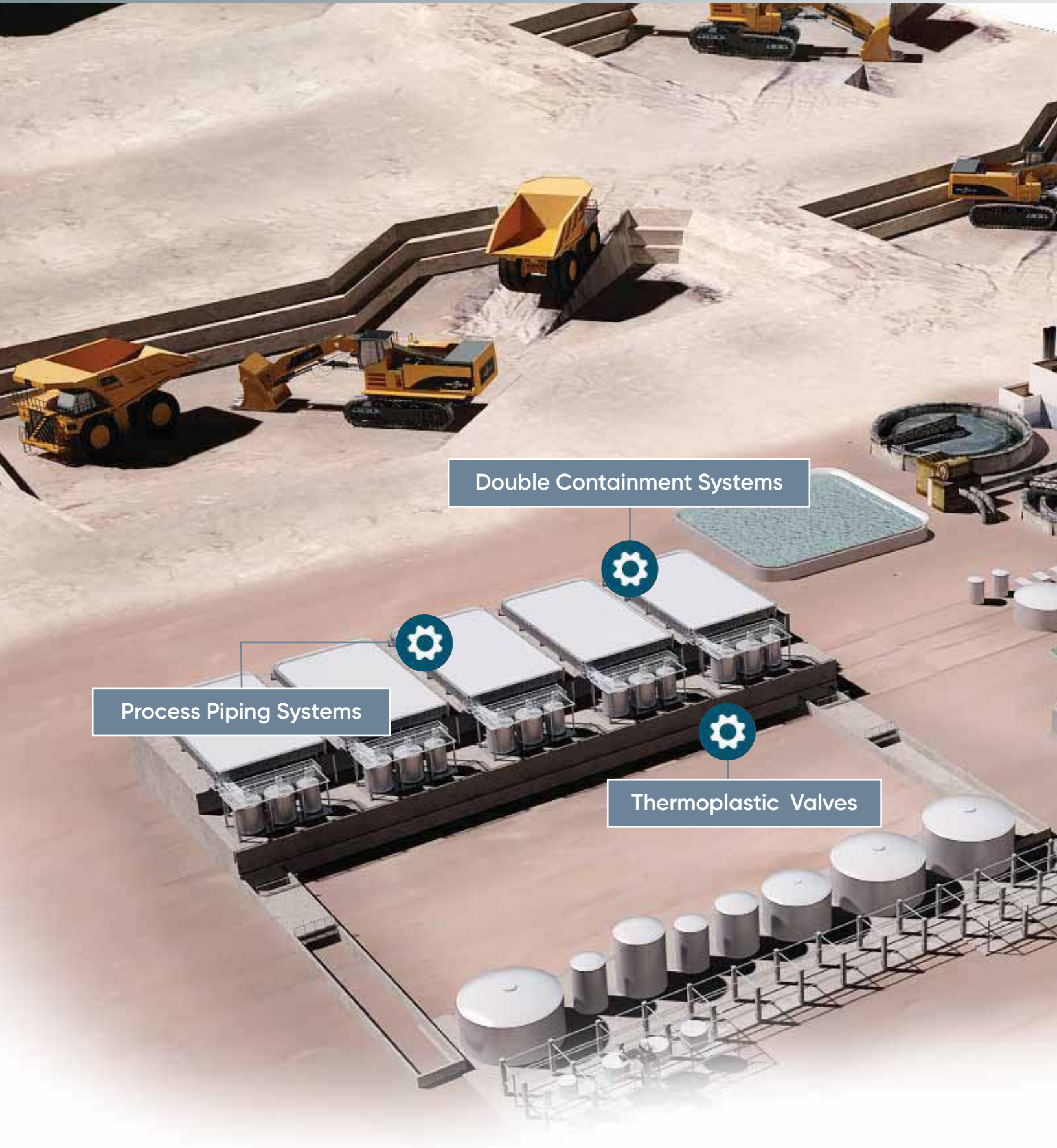
## Nonmetallic Light Fixtures

- SceptaLight™ Nonmetallic Light Fixtures

## PVC Raceway for HDD

- SceptaCon™ Trenchless Raceways Systems

# Piping Systems for Metals



Double Containment Systems

Process Piping Systems

Thermoplastic Valves

# Pipes & Mining Applications



Compressed Air



Pressure Piping Systems



Nonmetallic Light Fixtures



Rigid PVC Conduit & Fittings



Industrial Piping Systems



Municipal Piping Systems



Electrical Systems



## Process Piping Systems

Xirtec® 140 (PVC) and Corzan® (CPVC) systems meet industry demands for a complete Pipe, Valves and Fittings (PVF) package that is designed, produced and backed by a single manufacturer.

High-performance vinyl systems are designed to meet the temperature, pressure and size requirements of piping systems used in chemical processes and other industrial applications. They feature outstanding resistance to photodegradation, creep stress and immunity to oxidation, and are exceptionally suited for use with a wide range of acids, alcohols, salts and halogens.



## Double Containment

IPEX has a wide selection of Double Containment products to suit your application.

Double Containment piping has an inner and an outer barrier with an interstitial space that is monitored for leaks.

CustomGuard® double containment piping systems are the ideal solution for the conveyance of petroleum products. Our systems satisfy the federal requirement 40 CFR 280 for underground storage tanks (UST)\*. This regulation requires all UST and the associated underground piping to be double contained. Installing a double containment system will help to minimize down-time, mitigate risks, eliminate potential EPA issues, and reduce replacement and maintenance costs.

\* Please check with your local regional authority for specific requirements.



## Valves, Actuators & Instrumentation

The most comprehensive ranges of high quality, high performance thermoplastic valves, actuators and instrumentation available today.

Whether you require a valve for isolation, an actuator for control, or instrumentation to measure, IPEX has a solution to meet your needs.

- Valve types include ball, butterfly, diaphragm, check & vent, valve actuation and specialty valves.
- Actuator types include pneumatic and electric for use in indoor and outdoor applications.





## Compressed Air

**Duraplus™ ABS Airline and Duratec® Composite Airline are designed for industrial compressed air pipe applications.**

Traditional metallic compressed air systems are a cause of unnecessary energy use, excessive wear and tear on compressors and high consumption of compressor oils and filters due to corrosion and leakage at pipe joints and fitting connections which often go undetected.

IPEX thermoplastic compressed air systems are corrosion resistant and can be easily and quickly installed, modified or expanded without the need for specialized equipment.



Duraplus™ ABS Airline is only available in the U.S.



## Pressure Piping Systems

**Our PVC water and sewer systems do not corrode, they maintain the strength and flexibility required to handle soil movement, high traffic loads and deep burial applications.**

Proven in tough North American climates for more than 50 years, IPEX municipal pressure pipe & fittings are manufactured from custom engineered PVC compounds to deliver superior strength and corrosion resistance. IPEX PVC pressure pipe offers long-term performance.



## Rigid PVC Conduit & Fittings

**Scepter® conduit is light weight and offers excellent chemical resistance, high tensile and impact strength, and the FT-4 rating permits use in noncombustible construction. It is also suitable for exposed, concrete encased and direct burial applications.**

Scepter PVC conduit fittings come in a wide range of boxes, fittings, couplings and elbows and offer both high impact and tensile strength, are non-conductive and are resistant to a wide range of chemicals such as acids, alkalies and salt solutions.



## Nonmetallic Light Fixtures

**SceptaLight™ Nonmetallic Light Fixtures are available in non-metallic LED, compact fluorescent and incandescent designs.**

Sceptalight's thermoplastic construction offers outstanding corrosion and chemical resistance. Silicone gaskets in Sceptalight fixtures – mounted at the base of the globe and within the ceiling box – provide a water- and vapor-tight seal which protects the electrical connections inside.



## SALES AND CUSTOMER SERVICE

### IPEX USA LLC.

Toll Free: (800) 463-9572

[ipexna.com](http://ipexna.com)

#### About the IPEX Group of Companies

As leading suppliers of thermoplastic piping systems, the IPEX Group of Companies provides our customers with some of the largest and most comprehensive product lines. All IPEX products are backed by more than 50 years of experience. With state-of-the-art manufacturing facilities and distribution centers across North America, we have earned our reputation for product innovation, quality, end-user focus and performance.

Markets served by the IPEX Group of Companies include:

- Electrical systems
- Telecommunications and utility piping systems
- Industrial process piping systems
- Municipal pressure and gravity piping systems
- Plumbing and mechanical piping systems
- Electrofusion systems for gas and water
- Industrial, plumbing and electrical cements
- Irrigation systems
- PVC, CPVC, PP, PVDF, PE, ABS, and PEX pipe and fittings

Products are manufactured by IPEX Inc. and distributed in the United States by IPEX USA LLC.

Xirtec®, Clear-Guard™, Enpure™, Duraplus™, Guardian®, Encase™, CustomGuard®, Centra-Guard™, Duratec®, Bionax®, Bionax®SR™, Blue Brute®, IPEX Centurion®, Cycle Tough®, IPEX Fusible™, TerraBrute® CR, JBox™, SceptaCon™ and SceptaLight™ are trademarks of IPEX Branding Inc.

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A policy of ongoing product improvement is maintained. This may result in modifications of features and/or specifications without notice.



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