

Go "National" for Lead PIPE

What kind of pipe do you need...to fight acid-corrosion?

1 All-Lead Pipe? National Lead's Chemical Lead Pipe has a long record of successful applications. And there are definite reasons for this. First, it is made of practically pure lead, which is free from bismuth and contains a small amount of copper to increase corrosion resistance. Second, it is fabricated by an extrusion process which assures uniform wall thickness, free flow and freedom from porous or defective spots.



Whatever your problem, National Lead has the lead pipe you need and a full line of fittings to go with it. Here's a lead discharge pipe used on a concrete settling tank.

That's our *regular* lead pipe. It has become "standard" throughout industry. But, maybe you need *extra* corrosion resistance at high temperatures... *greater* tensile strength and toughness... *higher* endurance to vibratory stress. Our Tellurium Lead Pipe fills the bill there.

Or, maybe your *extra* problem is erosion. Then, you should consider our Antimonial Lead Pipe, made with a base of either Chemical or Tellurium Lead. By adding 6% of antimony we almost double the tensile strength and greatly increase hardness and stiffness.

2 Cold Expanded Lead-Lined Pipe? When you need pipe with the strength of iron or steel, we give it to you... *with a lead lining*. Our "United" Lead-lined Cast Iron or Steel Pipe has proved highly serviceable under severe conditions. It has the outer strength you need to stand pressure or other mechanical stress; the inner stamina to resist corrosion.



The lead lining is formed in continuous lengths of seamless pipe, then cold expanded against the inside of the iron or steel tube. You get a tight fit and a smooth, uniform lining, free of defects. Of course, all iron and steel pipe used meets ASTM standards.

The strength of steel plus the endurance of lead. You get both with "United" Lead-lined Pipe.

3 "United Tubond" Lead-Lined Pipe? For extremes of temperature, pressure, vacuum or vibration, investigate our "United Tubond" Lead-lined Pipe. This is steel or wrought iron pipe with its lead lining permanently bonded to the ferrous metal. No separation or creep is possible. The illustration below proves the toughness of this bond.

All our lead-lined pipe is available in flanged sections with the lead lining carried over the face of the recessed flange. This insures a positive lead-to-lead joint at each flange, eliminating any danger of leakage.



Permanently bonded! Even violent twisting of this section of "Tubond" lead-lined steel pipe couldn't break the bond.

No Matter What Your Acid-Handling Problem...

Go "National" for Lead

National Lead is ready to consult with you and supply any type of lead pipe... valves... sheet... lead-lined or lead-covered equipment... even complete acid recovery plants. And behind every National Lead product... every National Lead recommendation... are years of experience and many important installations in every field handling corrosive liquids and gases.



NATIONAL LEAD COMPANY

111 BROADWAY, NEW YORK 6, N. Y.

Offices and Plants in Principal Cities and Canada

KL 3843—Chemical Engineering, March and September—Petroleum Refiner, March and September—Textile World, March and October—Iron Age, May 8—Steel, April 7, 1947 *

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