

Go "National" for Lead



What kind of Sheet Lead Lining do you need to fight acid corrosion?

1 Our Regular CHEMICAL LEAD? This is a practically pure lead, free from bismuth, to which has been added a small amount of copper to boost corrosion resistance and endurance limit. Used long and successfully throughout industry for lining tanks and for covering apparatus exposed to corrosive fumes or acid splash, it is the base lead for acid handling. The other types, like Tellurium Lead or Antimonial Lead, are simply Chemical Lead, alloyed with varying quantities of tellurium or antimony to impart extra qualities.



Lead sheet is easily formed into any shape and burned to give you one-piece, corrosion-resisting tank linings.

2 Our Special TELLURIUM LEAD? This is Chemical Lead containing a small amount of tellurium. You get all of lead's regular advantages plus certain new ones to meet special service conditions.

One outstanding feature of Tellurium Lead is its increased corrosion resistance at high temperatures.

Another is its ability to work-harden. Mechanical stress, such as bending, stretching or hammering, actually increases Tellurium Lead's tensile strength and resistance to fracture.

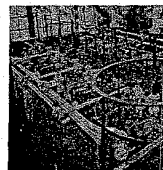
Tellurium Lead is especially recommended where you have to combat both stress and corrosion.



Tellurium Lead stands up under vibration or fatigue stresses. That's why it was used here as a protective covering on rayon spinning machines.

3 Our Extra-Strong ANTIMONIAL LEAD? This is made from either Chemical or Tellurium Lead by adding small amounts of antimony to secure greater tensile and mechanical strength. For example, lead containing 6% antimony has a tensile strength almost twice that of Chemical Lead. This, plus its stiffness, makes it suitable for use where mechanical strain is severe or where linings are supported only by a skeleton framework.

Antimonial Lead also is harder and more resistant to abrasion and cutting. It's a good bet wherever erosion or mechanical abuse exists. However, because antimony lowers the melting point, Antimonial Lead is not recommended for use above 240°F.



Or Antimonial Lead was used to line three precipitating tanks because it has the extra strength needed to withstand the vacuum used in the operation.

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

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Offices and Plants in Principal Cities and Canada

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