

Specification — Sheet Lead

A&L Shielding-furnished sheet lead is produced in various thicknesses to provide shielding protection as determined by site requirements.

Sheet Lead

GENERAL:

Lead shielding represents a practical approach to the need for protection from X-Ray radiation. Its uniform density, high atomic number, level of stability, ease of fabrication, high degree of flexibility in application and availability at reasonable cost are principal factors.

Lead sheets are available in sizes from 1/32" to 1". They are fabricated into various structural objects such as walls and doors to give necessary shielding protection. Adequate physical support is required when shielding materials are applied to a vertical surface or to a horizontal surface such as a ceiling.

For thicknesses greater than 1/4", lead plate is available. Because lead plate is difficult to handle, layers of thinner sheets often are used to achieve the same shielding levels.

PRODUCT DETAILS:

Lead sheet as used by A&L Shielding meets ASTM B 749 or Federal Specifications No. QQ-L-201F, Grade

General Properties of Sheet Lead

Color:	Bluish Gray
Atomic Number:	82
Weight:	709 lb. per cubic foot
Density:	1.35 grams per c.c.
Melting Point:	327.4° C/621° F

C or better, and shall be 99.9 percent pure lead, free from dross, oxide inclusions, laminations, scale blisters or cracks.

All lead will be supplied in the thickness shown on the drawings and specifications.

Lead sheet is available in rolls and may be shipped flat if required.

EXECUTION:

Lead must be protected from public contact after installation for both environmental and health reasons. Lead sheet, plate and brick are normally installed behind other materials and away from exposure to the public.

Installers should be trained in the safe handling of lead and must observe proper techniques for installation and clean-up.

WASTE – Disposal of all scrap lead must be handled in an environmentally responsible manner.



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