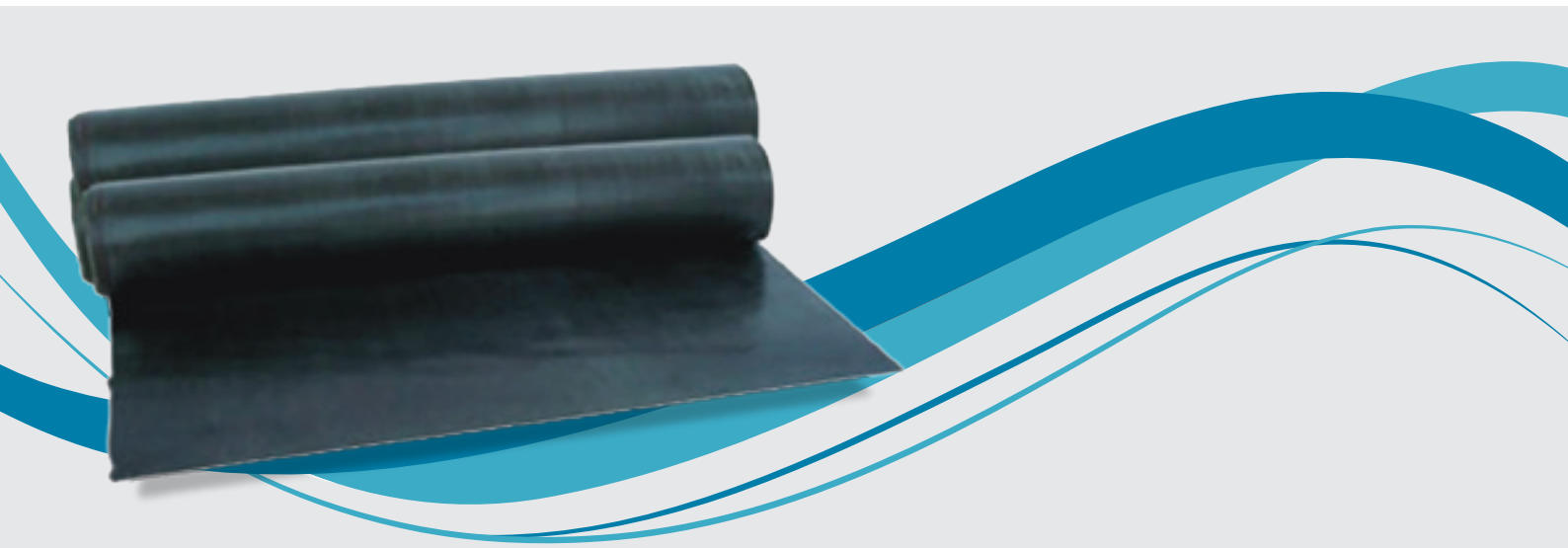


RADIATION PROTECTION LEAD SHEETS



PRODUCT DESCRIPTION

Lead is generally the most cost-effective radiation shielding material that protects against the effects of gamma rays and x-rays. The properties of lead shielding which makes it an excellent shielding material is its density, high atomic number, high level of stability, ease of fabrication, high degree of flexibility in application and its availability.

CHARACTERISTICS

Our Lead Sheets are extremely resistant to corrosion from the atmosphere, salt water and most industrial chemicals. Lead Sheets are built into a variety of structures such as walls, doors, window frames and cabinetry to provide the necessary shielding protection.

Lead Sheets can be readily manipulated with standard hand tools without the risk of fracture.

SPECIFICATIONS

Standard Size	1 x 2 m *
Sheet Thickness	mm , 2.5 mm 2
Weight	Kg/Sqm, 28.35 Kg/Sqm 22.68
Standards	ASTM B-29, B-749 BSEN 12588:2006
Fire Resistance	Melts at 327.4°C

* Other sizes & thicknesses can be made upon request.

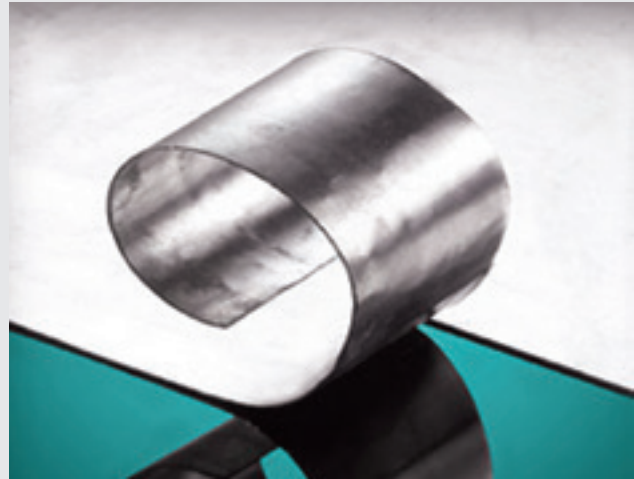


RADIATION PROTECTION LEAD SHEETS

USAGE

Lead Sheets are offered for many applications that include:

- Radiation shielding
- Laboratories
- Hospitals
- Dental offices and veterinary clinics
- Construction
- Roofing, flashing and waterproofing
- Corrosion protection
- Acid storage and handling
- Autoclaves
- Precipitators
- Movable Lead screens
- Sound barriers and soundproofing
- Nuclear energy shielding
- Tank lining
- Vibration absorbers



CHEMICAL COMPOSITION	
Silver	0.0009% max
Copper	0.03/0.05% max
Anitmony	0.005% max
Zink	0.001% max
Bismuth	0.005% max
Other Elements	0.02% max
Lead	Balance

PHYSICAL DETAILS	
Atomic Weight	207.2
Atomic Number	82
Density	11.34g cm
Ca-Efficient of linear Expersion	0.0000293 per c
Thermal Conductivity	34.76 wmc
Melting Point	327.4



RADIATION PROTECTION LEAD SHEETS

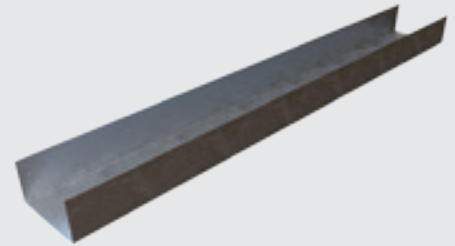
CEILING PROFILES

- Perimeter channels to fix the ceilings to surrounding constructions.
- Furring channel + main channel: ceiling profiles which are inserted into perimeter channels profiles; used as the upper/main and lower/furring channel for suspended ceilings.

MAIN CHANNEL 38 MM SPECIFICATIONS

Physical & Structural Properties

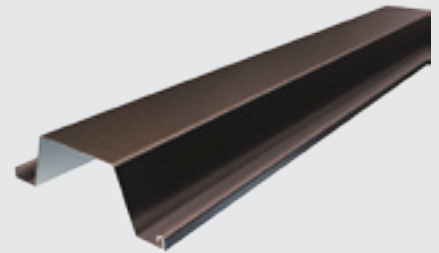
Flange (mm)	Thickness (mm)	Weight (Kg/m)	Cross Section Area (mm ²)	About Major Axis			About Minor Axis		
				\bar{X} (mm)	I _x (mm ²)	R _x (mm)	\bar{Y} (mm)	I _y (mm ²)	R _y (mm)
13	0.5	0.25	31.5	0	3.9	4.83	2.83	6681	14.6
13	0.60	0.30	37.7	0	3.9	4.84	2.86	7947.3	14.5
13	0.90	0.46	56.0	0	3.9	4.87	2.98	11611.4	14.4
13	1.20	0.61	73.9	0	3.8	4.90	3.10	15078.6	14.3
13	1.50	0.76	91.5	0	3.8	4.90	3.20	18356.1	14.16



FURRING CHANNEL 35X25 MM SPECIFICATIONS

Physical & Structural Properties

Furring Size (mm)	Thickness (mm)	Weight (Kg/m)	Cross Section Area (mm ²)	About Major Axis			About Minor Axis		
				\bar{X} (mm)	I _x (mm ²)	R _x (mm)	\bar{Y} (mm)	I _y (mm ²)	R _y (mm)
32x22.5	0.45	0.37	46.5	0.0	4150	15.3	12.04	15151.9	18
	0.50	0.42	51.7	0.0	4610	15.3	12.06	16820.6	18
	0.60	0.50	62.0	0.0	5530	15.3	12.08	20149.2	18
	0.90	0.75	93.0	0.0	8290	15.4	12.18	30064.9	17.97
	1.20	1.00	124.0	0.0	11060	15.5	12.27	39876.8	17.90
	1.50	1.25	155.1	0.0	13830	15.6	12.40	49586.7	17.88



ANGLE CHANNEL 25X25 MM SPECIFICATIONS

Physical & Structural Properties

Profile	Thickness (mm)	Weight (Kg/m)	Cross Section Area (mm ²)	About Major Axis			About Minor Axis		
				\bar{X} (mm)	I _x (mm ²)	R _x (mm)	\bar{Y} (mm)	I _y (mm ²)	R _y (mm)
AE 25	0.45	0.18	22.30	6.4	1470	10.25	6.4	1470	10.25
AE 25	0.50	0.20	24.75	6.4	1630	10.25	6.4	1630	10.25
AE 25	0.60	0.24	29.60	6.47	1950	10.27	6.47	1950	10.27
AE 25	0.90	0.36	44.19	6.58	2930	10.30	6.58	2930	10.30
AE 25	1.20	0.48	58.56	6.70	3910	10.34	6.70	3910	10.34
AE 25	1.50	0.60	72.75	6.80	4890	10.38	6.80	4890	



LOCATION

