

LEAD SHEETS

Radiation Protection



UNITECH
for Building &
Construction Materials
www.unitech-ikk.com

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.



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

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	2 mm , 2.5 mm
Weight	22.68 Kg/Sqm, 28.35 Kg/Sqm
Standard	ASTM B-29, B-749 BSEN 12588:2006
Fire Resistance	Melts at 327.4°C

* Other sizes & thicknesses can be supplied upon request.





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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

Jeddah / KSA

Tel : +966 12 627 8222
Fax: +966 12 627 8722
unitech.ksa@ikkgroup.com

Jeddah - Ghurab Showroom / KSA

Tel : +966 12 667 2000
Fax: +966 12 661 4306
unitech.ksa@ikkgroup.com

Mak kah, Taif / KSA

Tel : +966 12 541 1206
Fax: +966 12 532 1675
unitech.ksa@ikkgroup.com

Mad inah / KSA

Tel : +966 14 864 9111
Fax: +966 14 864 9222
unitech.ksa@ikkgroup.com

Mad inah Showroom - UPF / KSA

Tel : +966 14 834 6244
Fax: +966 14 834 5082
unitech.ksa@ikkgroup.com

Yanbu / KSA

Tel : +966 14 390 1499
Fax: +966 14 322 7101
unitech.ksa@ikkgroup.com

Khamis Mushayt / KSA

Tel : +966 17 237 5929
Fax: +966 17 237 8783
unitech.ksa@ikkgroup.com

Najran / KSA

Tel : +966 17 546 3874
Fax: +966 17 546 3874
unitech.ksa@ikkgroup.com

Sharorah / KSA

Tel : +966 17 532 8153
Fax: +966 17 532 8153
unitech.ksa@ikkgroup.com

Gizan / KSA

Tel : +966 17 321 6660
Fax: +966 17 321 0665
unitech.ksa@ikkgroup.com

Al Qunfudah / KSA

Tel : +966 17 350 0266
Fax: +966 17 350 0266
unitech.ksa@ikkgroup.com

Riyadh - North / KSA

Tel : +966 11 454 9282
Fax: +966 11 456 6627
unitech.ksa@ikkgroup.com

Riyadh - South / KSA

Tel : +966 11 448 0112
Fax: +966 11 447 7421
unitech.ksa@ikkgroup.com

Riyadh - West / KSA

Tel : +966 11 431 6271
: +966 11 431 7642
unitech.ksa@ikkgroup.com

Qassim / Buraidah / KSA

Tel : +966 16 382 3946
Fax: +966 16 385 2186
unitech.ksa@ikkgroup.com

Qassim Showroom / KSA

Tel : +966 16 385 2598
Fax: +966 16 385 4262
unitech.ksa@ikkgroup.com

Hail / KSA

Tel : +966 16 543 3931
Fax: +966 16 543 3935
unitech.ksa@ikkgroup.com

Skakah / Qurayyat / KSA

Tel : +966 14 626 3904
Fax: +966 14 626 3905
unitech.ksa@ikkgroup.com

Tabuk / KSA

Tel : +966 14 423 5203
Fax: +966 14 423 5203
unitech.ksa@ikkgroup.com

Hafr el Batin / KSA

Tel : +966 13 729 3644
Fax: +966 13 729 3644
unitech.ksa@ikkgroup.com

Dammam / KSA

Tel : +966 13 859 0097
Fax: +966 13 857 8177
unitech.ksa@ikkgroup.com

Dammam / Showroom / KSA

Tel : +966 13 834 9632
Fax: +966 13 834 9457
unitech.ksa@ikkgroup.com

Jubail / KSA

Tel : +966 13 361 4390
Fax: +966 13 362 4499
unitech.ksa@ikkgroup.com

Khafji / KSA

Tel : +966 53 444 5135
unitech.ksa@ikkgroup.com

Hufuf / KSA

Tel : +966 13 530 1474
Fax: +966 13 530 7144
unitech.ksa@ikkgroup.com

Manama / Bahrain

Tel : +973 1 787 4897
Fax: +973 1 778 9470
unitech.bahrain@ikkgroup.com

Dubai - Al Rashidiyah / UAE

Tel : +9714 2591 773
Fax : +9714 2591 774
unitech.dubai@ikkgroup.com

Abu Dhabi - Musaffah / UAE

Tel : +971 2 551 2334
Fax: +971 2 551 2335
unitech.auh@ikkgroup.com

Al Ain / UAE

Tel : +971 3 761 9050
Fax: +971 3 761 9051
unitech.alain@ikkgroup.com

Doha / Qatar

Tel : +974 4451 3301/2/3
Fax: +974 4451 3305
unitech.qatar@ikkgroup.com

Beirut / Lebanon

Tel : +961 1 858 277
Fax: +961 1 858 276
unitech.lebanon@ikkgroup.com

Tripoli Showroom / Lebanon

Tel : +961 6 443 909
Fax: +961 6 443 909
unitech.lebanon@ikkgroup.com

Amman / Jordan

Tel : +962 6 556 3030
Fax: +962 6 554 7911
unitech.jordan@ikkgroup.com

Muscat / Oman

Tel : +968 24 591 006
Fax : +968 24 597 006
unitech.oman@ikkgroup.com

Cairo - Maadi / Egypt

Tel : +20 2 2525 4271/3
Fax: +20 2 2525 4274
unitech.egypt@ikkgroup.com

Cairo - Gamhouriyah St. / Egypt

Tel : +20 2 2787 2152
Fax: +20 2 2593 1053
unitech.egypt@ikkgroup.com

Tripoli / Libya

Tel : +218 21 717 0264
Fax: +218 21 477 1612
unitech.libya@ikkgroup.com

Kuwait City / Kuwait

Tel : +965 2 4924 937
Fax: +965 2 4924 938
unitech.kuwait@ikkgroup.com

Birmingham / UK

Tel : +44 121 562 1712
Fax: +44 121 562 1713
unitech.uk@ikkgroup.com

