



RECOMMENDED THICKNESSES for LEAD and ARTEMIS EQUIVALENT PRODUCTS

FORMULATED TO PROVIDE ATTENUATION OVER THE RANGE of LISTED KV's

NORMALLY ENCOUNTERED IN MEDICAL ENVIRONMENTS i.e. 50 KV to 200 KV

LEAD RECOMMENDATIONS *			ARTEMIS THERMO PLASTIC EQUIVALENTS **			
			Hybrid Tungsten Composite***		Tungsten Nano Composite****	
KV	Thickness*	Weight	Thickness**	Weight***	Thickness**	Weight***
	mm	lb/sq ft	mm	lb/sq ft	mm	lb/sq ft
50	0.5	1.25	0.75	0.95	0.30	0.655
75	1.0	2.50	1.00	1.27	0.45	0.980
100	1.5	3.75	1.25	1.59	0.60	1.310
125	2.0	5.00	1.50	1.90	0.75	1.640
159	2.5	6.25	1.75	2.27	0.90	1.960
175	3.0	7.50	2.00	2.54	1.05	2.290
200	3.5	8.75	2.25	2.81	1.20	2.620

* Lead at 99.9% Purity as Recommended by Medical Physicists Worldwide.

** 99.50% Minimum Attenuation at KV and Thickness Levels Listed. Attenuation Data Generated by an Independent Laboratory. All Artemis Products are Patented and/or Patent Pending Worldwide.

*** Ratios of Weight Reductions Versus Lead Varies From 32% to 211% With an Average of 142% for Artemis Hybrid Tungsten Thermoplastic Composite and From 91% to 234% With an Average of 174% for Artemis Tungsten Nano Thermoplastic Composite.

**** Both The Hybrid Tungsten Thermoplastic Composite and The Tungsten Nano thermoplastic Composites are available in a Range of Compositions and Thicknesses to Fit Specific Application Needs, like Protective aprons, Security Curtains, Mobile Barriers, Directly Applied Wall Coverings, Sheet Lead Replacement, Structural Bricks, etc.