

## SILFLEX Shielding Blankets (Lead Wool Alternative)

SILFLEX® non-hazardous shielding blankets are a proprietary blend of bismuth and iron powders optimized to provide equivalent attenuation to either a 10 lb/ft or 15 lb/ft lead wool product at approximately 50% of the weight. SILFLEX® blankets are designed to provide a flexible and durable industrial grade product that will provide 20 years of service. The homogeneous matrix does not settle or break and can be cleaned with wet wipes.



**NFPA 805** – Minimum Combustible or Exempt  
Estimated Heat Content – 1364 Btu/lb

**OPERATING TEMPERATURE** – -50 to 250° C

### LEACH PRODUCTS –

Chlorine - 10 ppm, Fluorine - 4 ppm, Total - 14 ppm  
Sulfur - 180 ppm, Zinc - 125 ppm

**Testing results as reported by Bridgeport Testing Laboratory, Inc. for ANO.**

### Chemical Resistance:

Highly resistant to exposure to Boric Acid and Sodium Hydroxide with virtually no change in physical properties after 168 hours of exposure. Excellent chemical resistance at elevated temperatures.



**Certified in independent testing by the US Nuclear Power Plants for use on stainless steel piping under US 10 CFR 50 Appendix B quality system.**

### Material Ruggedness:

Highly resistant to physical abuse including puncture except material does cut with sharp scissors or other cutting devices. Very good abrasion and tear resistance.

### Material Compatibility:

Compatible with galvanized, carbon steel and stainless steel.

### Disclaimer:

The information herein is given in good faith but no warranty, expressed or implied, is made. Dose Rate Reduction Data as reported by ANO under US 10 CFR 50 Appendix B quality system.

### Test Results:

Beam Strength (mrm/hr)	Shielded Value (mrm/hr)	Cs-137 Shielding Effectiveness	Linear Attenuation Coefficient	HVL (in)	TVL (in)
32	22	31.25%	0.7493869	0.92495	3.07263
360	262	27.22%	0.63551906	1.09068	3.62316
32000	23800	25.63%	0.59210064	1.17066	3.88884

**Certified in independent testing by US Navy laboratory**