



# TECHNICAL DATA SHEET

## rFOIL® Conductive Aluminum Tapes for SCIF

### Product Description:

rFOIL® Conductive Aluminum Foil Tape is designed for SCIF applications, providing effective EMI/RFI shielding and secure seam sealing for high-security environments. Available in 2" x 108' and 3" x 108', this tape enhances the RF blocking capabilities of rFOIL Barrier Foil products by ensuring continuous conductivity across seams.

The conductive acrylic adhesive delivers excellent electrical performance, ensuring a complete electromagnetic seal while maintaining strong adhesion to various surfaces. This tape also serves as a vapor barrier, protecting against moisture intrusion and environmental exposure.



### Features:

**Conductive Adhesive** – Ensures electrical continuity for effective EMI/RFI shielding

**Seam Sealing for SCIF** – Enhances RF blocking by sealing joints & seams

**Strong & Flexible** – Strong Conductive Adhesive that adheres well to irregular surfaces for a secure bond

**Temperature Resistance** – Withstands extreme conditions: from -40° C to 163°C

**Durability & Corrosion Resistance** – Designed for long-term performance in harsh environments

### APPLICATIONS

rFOIL TAPE PRODUCT CODES	rFOIL SURFACE APPLICATIONS	rFOIL INSULATION PRODUCTS TO BE USED WITH
70502 Conductive Aluminum Foil 2 inches	Used on rFOIL Products with an Aluminum Surface	rFOIL (1800) Series
70503 Conductive Aluminum Foil 3 inches	Used on rFOIL Products with an Aluminum Surface	rFOIL (1800) Series
70504 Conductive Aluminum Foil 4 inches	Used on rFOIL Products with an Aluminum Surface	rFOIL (1800) Series

### PRODUCT SPECIFICATIONS & COMPARISON

Product Characteristics	rFOIL® 7050 <sub>X</sub>	3M 11702
Adhesive Type	Conductive Acrylic	Conductive Acrylic
Backing Material	Aluminum Foil	Aluminum Foil
Primary Liner	Paper	Paper
Product Color	Silver	Silver
Elongation at Break	5.00%	5.00%
Industries	EMI / RFI	EMI / RFI
D4935 - Shielding Effectiveness (avg.)	69dB	69dB
Maximum Operating Temperature (Celsius) Maximum	163°C	130°C
Operating Temperature (Fahrenheit) Minimum Operating	325°F	266°F
Temperature (Celsius)	-40°C	-40°C
Minimum Operating Temperature (Fahrenheit)	-40°F	-40°F
Specifications Met	RoHS 2011 / 65 / EU UL Recognized	RoHS 2011 / 65 / EU UL Recognized
Roll Sizes Readily Available	2" x 108' 3" x 108' 4" x 108' (special order) Others available	2" x 54'
Tensile Strength (Imperial)	15.0 lb / in	14.0 lb / in
Tensile Strength (Metric)	26 N / 10mm	25 N / 10mm
Total Tape Thickness without Liner (Imperial)	3.6 mil	3.0 mil
Total Tape Thickness without Liner (Metric)	0.091 mm	0.076 mm
eClass 14 Classification Group	27140708	27140708
Origin	North America	Taiwan
Price	\$\$	\$\$\$\$

All tape specifications and sizes are subject to change without notice

Published: Feb 11, 2025

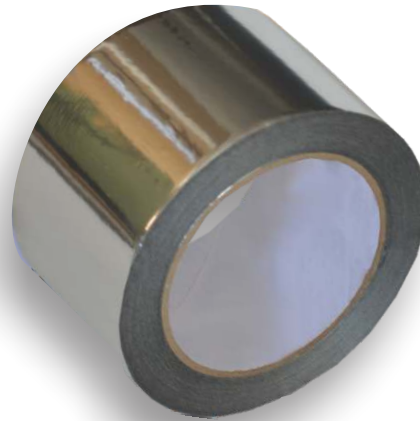


Available on:  
[LBAGroup.com](http://LBAGroup.com)  
[LBAOneSource.com](http://LBAOneSource.com)

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### APPLICATION INSTRUCTIONS:

1. The surface to which the tape is to be applied must be free of oils, dust, and dirt. The surface must be cleaned with a dry cloth.
2. The release liner should then be removed 1-2 feet at a time (if applicable) and the adhesive face pressed firmly on the insulation facing. Care should be taken not to stretch the tape tightly as this will create buckles and voids in the contact area on both sides of the joint for the tape on center so that there is adequate area on both sides of the joint for the tape to bond. Uneven width distribution also puts additional shear stress on the smaller side of the butt joint.
3. The tape should then be wiped firmly from the center out (like wallpaper) with a plastic wiping tool (enclosed with a full carton).  
Note: To obtain a greater bond, apply more pressure to the tape surface.
4. Be sure to cut the end of the tape to the appropriate length.



### IMPORTANT INFORMATION

The information cited is in good faith and has been established from sources held to be secure and reliable. The values listed are typical properties and are not intended to be used as specifications for defined applications. User must determine the product suitability for the end use application and assume all risks and liabilities.

Please contact COVERTECH FLEXIBLE PACKAGING INC. to discuss specification ranges.

**LBA** TECHNOLOGY is an authorized dealer and distributor of rFOIL<sup>®</sup> products in the USA and worldwide.