



32 Mechanic Avenue Unit 211 • Woonsocket RI 02895
 Tel. 401-767-2269
 Fax 401-767-2255
 www.microsorbtech.com
 E-mail: engineer@microsorbtech.com

**Product
Bulletin**

800-01

**E-SHIELD WPAL
EMI Foil Shielding with PSA**

E-SHIELD WPAL is a 0.0050" thick aluminum foil for use as an emi/rfi shield against electrical interference. The foils are easy to work with and very effective across a wide range of frequencies, shielding against unwanted signals in or out of rooms and buildings. **E-SHIELD WPAL** may be used to form shielded enclosures of almost any size or shape, with primary use in construction with low-cost shielded rooms, shielded anechoic chambers and other shielded test rooms.

E-Shield products are unique as they come with Pressure Sensitive Adhesive (PSA) as the bonding mechanism. PSA offers a no-mess, no odor simple method of application method for applying the E-SHIELD to substrates. E-SHIELD is also available without PSA backing.

**TYPICAL SHIELDING PERFORMANCE
Insertion Loss per MIL STD 285**

FREQUENCY	dB Down
200 KHz, Magnetic Field	- 25
200 KHz, Electrical Field	- 80
1 MHz, Electrical Field	- 80
10 MHz, Electrical Field	- 80
400 MHz, Plane Wave	- 60
10 GHz, Plane Wave	- 60

E-SHIELD WPAL is applied like wallpaper, covering all surfaces: floor, walls and ceiling. Other than normal cleanliness, and dust free, no special preparation is required. The foil may be stapled or glued in-place or ordered with a **Pressure Sensitive Adhesive (PSA)**.

E-SHIELD products should be overlapped by a minimum of 3" to avoid RF leakage. For maximum effectiveness, seams may be taped with electrically conductive adhesive tape or sealed with an electrically conductive film.

Adjoining sheets must be overlapped, caulk.

Warranty: This information is, to the best of Microsorb Technologies knowledge, accurate as of the date indicated. This information relates only to the specific materials designated herein and is not intended for the application or use of the materials with any other materials or in any process. The information is intended as a general guide only and does not constitute a warranty or representation whatsoever and MICROSORB TECHNOLOGIES HEREBY DISCLAIMS ALL EXPRESS AND IMPLIED WARRANTIES ARISING FROM THE USER'S RELIANCE ON OR USE OF THIS INFORMATION.



32 Mechanic Avenue Unit 211 • Woonsocket RI 02895

Tel. 401-767-2269

Fax 401-767-2255

www.microsorbtech.com

E-mail: engineer@microsorbtech.com

ORDERING INFORMATION

E-SHIELD WPAL is available in standard widths of 24" & 48" and lengths of 150 Ft with other dimensions available on special order.

E-SHIELD WPAL Tape is available in 6" x 150 Ft rolls.

E-SHIELD WPAL Tape is also available in electrically conductive backing PSA, 6" x 150 Ft rolls.

Warranty: This information is, to the best of Microsorb Technologies knowledge, accurate as of the date indicated. This information relates only to the specific materials designated herein and is not intended for the application or use of the materials with any other materials or in any process. The information is intended as a general guide only and does not constitute a warranty or representation whatsoever and MICROSORB TECHNOLOGIES HEREBY DISCLAIMS ALL EXPRESS AND IMPLIED WARRANTIES ARISING FROM THE USER'S RELIANCE ON OR USE OF THIS INFORMATION.

Rev 2 071707