



28 York Avenue  
Randolph, MA 02368  
Tel: (781) 961-9600  
(800) 650-5740  
Fax: (781) 961-2845

**FOR IMMEDIATE RELEASE** – Contact Cindy Manning (781)961-9600

E-mail: [cmanning@eccosorb.com](mailto:cmanning@eccosorb.com)

or: Lisa Strunin, Sphere Marketing (781)793-5889

E-mail: [lisa@spheremarketing.com](mailto:lisa@spheremarketing.com)

## **Emerson & Cuming Microwave Products Solves The RFID Military Mandate For Read On Metal Applications**

**Randolph, MA –March 23, 2007--** Emerson & Cuming Microwave Products' patent pending thin isolator material, ECCOPAD<sup>®</sup>, has solved the RFID military mandate for read on metal applications. This thin elastomer that separates RFID tags from metal by a mere 1/10<sup>th</sup> of an inch, enables the RFID tag to be read while maintaining a low profile.

While standard RFID tags can not be read when placed on metal or near metal because it detunes the antenna, ECCOPAD<sup>®</sup> is engineered with specific electromagnetic properties which serve to retune the tag antenna to the correct frequency, thereby enabling communication with the reader.

**According to Paul Dixon, Technical Manager,** *"High-value asset tracking applications, such as military supplies featuring metal casings and components, are especially prone to the problem of RFID read on metal. We now can offer engineers a thinner solution with high dielectric materials that also have high magnetic permeability."*

Emerson & Cuming Microwave Products, Inc., an ISO 9001:2000 company is a world leader in the development and manufacture of ECCOSORB<sup>®</sup>, microwave absorbing materials and anechoic chambers; ECCOSTOCK<sup>®</sup> dielectric materials for low loss RF and microwave applications; ECCOSHIELD<sup>®</sup> electrically conductive sheets, caulks, adhesives and coatings; and ECCOPAD<sup>®</sup>, Smart tag isolators, for read on metal technology. Emerson & Cuming Microwave Products maintains manufacturing facilities in Randolph, Massachusetts (US) and Westerlo, Belgium.

For over 50 years, the company has produced leading edge materials and engineered solutions for the wireless and satellite communications, military and aerospace, automotive, RFID and medical markets. For additional information, contact the company in North America at Tel: 1-800-650-5740 or 781-961-9600; in Europe at Tel: +32-(0) 14-56 25 00; or point internet browsers to [www.eccosorb.com](http://www.eccosorb.com).

Visit Emerson & Cuming Microwave Products at RFID World, **Booth # 2009.**

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