



ECCOSHIELD® VY & VY-81 Seals RF Tight Seams on Military Shelters and Ships

Emerson & Cuming Microwave Products manufactures single-component, electrically conductive, non-hardening caulking compounds. These products are formulated to shield or seal joints and seams that are likely to be disassembled or subject to vibration or warping during use.

Made from high quality resins and fillers such as silver, when fully cured the ECCOSHIELD VY will not only prevent corrosion in the contact area but remain flexible and maintain a tight RF seal even under the harshest of conditions.

A key feature of the ECCOSHIELD VY and VY-81 is their capacity to remaining adherent without cracking or pulling away from the surface over time, which allows for both to be primed and then painted if necessary.



Shown at right as a thin bead of caulking, the ECCOSHIELD VY can fill small gaps left behind during assembly of the aluminum skin. The RF seal created offers in excess of 60 dB over 150 KHz to 10 GHz for electric and magnetic fields and plane waves measured IAW MIL-STD-285.

The high reliability and excellent performance of the ECCOSHIELD VY and VY-81 is why engineers worldwide rely on these materials for sealing gaps in military shelters and sealing RF cabinets aboard naval ships that house battle critical communication equipment.



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