



ECCOSHIELD[®] VY

General Purpose RF Conductive Caulking Compound and Sealer

Material Characteristics

- ECCOSHIELD[®] VY is a single-component, electrically conductive, non-hardening compound of metallic particles
- When properly applied, ECCOSHIELD[®] VY will exhibit a dramatic improvement in virtually any RFI situation. It assures long-term integrity of the shielding enclosure and will prevent corrosion in the contact area
- ECCOSHIELD[®] VY is effective over the entire useful radio and microwave frequency range for magnetic fields, electric fields, and plane waves
- Due to high tack and non-hardening characteristics, ECCOSHIELD[®] VY will function under vibration and displacement due to temperature changes
- ECCOSHIELD[®] VY is fast and economical to use

Applications

- ECCOSHIELD[®] VY is specifically designed for use on radio frequency shielded structures, cabinets, conduits, seams, threads, and other components to ensure containment or exclusion of RF energy
- Sealing the seams of equipment cabinets by forcing ECCOSHIELD[®] VY into the seams. Vibration or handling will not affect the material since it remains in a plastic state
- Corrugated sheet metal buildings are made tight (RF and weather seal) by caulking with ECCOSHIELD[®] VY
- Removable cover plates are readily gasketed by an application of ECCOSHIELD[®] VY prior to bolting. They can easily be removed from time to time since ECCOSHIELD[®] VY does not harden
- Conduit threaded joints are made RF tight by the application of a small amount of ECCOSHIELD[®] VY to the threads prior to tightening. The conduit fittings can be unthreaded easily

Shipping & Availability

- ECCOSHIELD[®] VY is sold by the pound and packaged in small (4 oz.) glass jars
- ECCOSHIELD[®] VY ships as a hazardous material: Class 3 Flammable, UN1866, PG II
- Upon special request ECCOSHIELD[®] VY can be supplied in a small plastic syringe for extruding small diameter beads

Typical Properties

Service Temperature, °F (°C)	-40 to 550 (-40 to 288)
Density	4.9 g/cc
Volume Resistivity	0.001 ohm-cm
Typical Insertion Loss at Caulked Joint	>100 dB
Length of 1/8" (0.32 cm) dia. bead/lb	50 ft. (15 m)
Shelf Life	6 months

Instructions for Use

- For best results, the material should be applied at room temperature (minimum 68°F, 20°C).
- ECCOSHIELD[®] VY can be used with conventional caulking equipment to develop fast and uniform-weight beads. ECCOSHIELD[®] VY can also be applied by spatula, putty knife, plastic syringe applicators, or other suitable tools such as caulking guns. For spatula application, small amount of methyl ethyl ketone (MEK) can be added to adjust consistency
- All surfaces for application should be prepared by removing rust, scale, non-conductive oxides and dirt. Wire brushing and/or solvent cleaning is usually adequate. Surfaces should be bright and electrically conductive
- Apply ECCOSHIELD[®] VY to the prepared surface using a syringe, caulking gun, or spatula. Lap joints may be made immediately. Excess and spillage may be collected and reused
- Hardened or thick material can be reactivated by the addition of small amounts of methyl ketone
- For cleanup, acetone or trichloroethylene are suitable
- <u>Caution:</u> ECCOSHIELD[®] VY contains flammable solvents. Keep away from heat and open flames. When not in use, keep sealed to avoid evaporation. The handling of these products should present no problems if ordinary care is exercised to avoid breathing vapors, the skin is protected against contamination, swallowing is avoided, and eyes are protected

EMERSON & CUMING MICROWAVE PRODUCTS, INC., 28 York Avenue, Randolph, MA 02368 / Telephone (781) 961-9600. Use of Information and Material: Values shown are based on testing of laboratory test specimens and represent data that falls within normal range of the material. These values are not intended for use in establishing maximum, minimum or ranges of values for specification purposes. Any determination of the suitability of the material for any purpose contemplated by the user and the manner of subuse is the responsibility of the user's product and use. We hope that the information grave that be information and values on data and knowledge considered to be true and accurate and is offered for the user's conductation and verification but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale INCLUDING THOSE UNITING WARRANTIES AND REMEDIES, which apply to all goods supplied by us. We assume no responsibility for the use of these statements, recommendations or suggestions on do we intend them as a recommendation for any use, which would infringe any patent or copyright. Emerson & Cuming Microwave Products Inc.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Chemicals category:

Click to view products by Laird Connectivity manufacturer:

Other Similar products are found below :

DP-605NS 3045-QT 3125-9S 3748-Q-58"x8" FO-25DT \$1009-KIT-A-CS8606 DP100-200ML 1743-2FP 152-KA-NC 826-450G 9729 9223 9945 700000275 1601 8330-19G 842AR-15ML 841AR-150ML 842AR-P 843WB-15ML 8462-85ML 4354-1L 838AR-P 838AR-15ML 419D-P-BK 419D-P-WH 8MT-450 8MT-25 832HD-25ML 832FX-450ML 834ATH-375ML 832HD-400ML 8617-1P 843AR-340G 843ER-800ML 9310-300ML 847-1P 419D-55ML 8800-375ML 8810-375ML 8820-2.55L 419E-340G 842UR-12ML 419D-1L CW3300WHITE CW2205 10447 9620-945ML 4140A-945ML FW2170