

**UNITED STATES DEPARTMENT OF LABOR**

**MSHA**

**MINE SAFETY AND HEALTH ADMINISTRATION**

**FLAME-RESISTANT INSULATION FOR BATTERY BOX COVERS**

**ACCEPTED BY MSHA UNDER CODE OF FEDERAL REGULATIONS,**

**TITLE 30, PART 18**

The battery box cover insulation materials shown in this listing were tested and accepted as flame-resistant under the Code of Federal Regulations title 30, Part 18. This listing of flame-resistant battery box cover insulation material is current to date. It is recommended that the manufacturer be contacted to determine the availability status of any battery box cover insulation material listed herein.

**ORIGINATING OFFICE:**

Mine Safety and Health Administration  
Approval and Certification Center  
Materials and Explosion Testing Branch  
Industrial Park Road  
RR #1, Box 251  
Triadelphia, West Virginia 26059

FLAME-RESISTANT INSULATION FOR BATTERY BOX COVERS  
(EVALUATIONS PRIOR TO 1977)

<u>PRODUCT</u>	<u>CORRESPONDING COMPANY</u>
UMW-FR-27 Polyurethane Division	Exide Power Systems
N-350 Neoprene	ESB, Incorporated
PR-1524 Polyurethane (¼ thick)	P. O. Box 5723
Swift Z 1Z-308 Hot melt (¼ thick)	Philadelphia, PA 19120
Flexsol 8 (Valspar Plastisol)	
Orange Plastisol 748-Y-1213A	Mobil Chemical
Type MCI-SIW03 & MCI-SIW04 Plastisol Metal Cladding, Incorporated	
Corvel Vinyl (Melt Mix Type)	The Polymer Corporation
Corvel Type ECA-1555 Thin Film Epoxy	
Corvel Epoxy ECA-1283	
N11 Series Epoxy Powder Coatings	Sherwin-Williams Company
Vinyl Plastisol-Arbonite No. S-2002	General Battery and Ceramic Box 1262 Reading, PA 19603 PVC Jeffrey Manufacturing Company Columbus, OH 43216
Grade 1163 Neoprene	B.F. Goodrich Industrial Products Company Minor Oak Two - Suite 458 1910 Cochran Road Pittsburgh, PA 15220
Microsol S-2003 (S6006) Chemical	Michigan Chrome and
Flexsol 4374	Quelcor Incorporated

Flame-Resistant Battery Box Cover Insulation Material  
(Evaluations after 1977, with acceptance number issued)

<u>USMSHA Acceptance No.</u>	<u>Acceptance Date</u>	<u>Company</u>
BI-1	12/29/77	Reaco Battery Service Corp. Rt. 1, Box 48 Johnston City, IL 62951
BI-2	12/29/77	Exide Power Systems Division P. O. Box 14205 Reading, PA 19612-4205
BI-3	09/08/78	Gould, Incorporated
BI-7	03/30/79	Industrial Battery Division 2050 Cabot Boulevard, West Langhorne, PA 19047
BI-4	01/02/79	Barrett Battery Incorporated
BI-5	01/02/79	3317 Lagrange Street Toledo, OH 43608
BI-6	01/15/80	M & T Chemicals Incorporated Rahway, NJ 07065
BI-8	11/01/79	C&D Battery Division 3043 Walton Road Plymouth Meeting, PA 19462
BI-9 BI-9/1 BI-9/2	05/27/86	Pratt & Lambert 40 Sonwil Drive Cheektowaga, NY 14225
BI-10	01/31/91	Morton International, Inc. P. O. Box 6223 Industrial Park Greenville, SC 29606
BI-11 BI-11/1 BI-11/2	07/29/80 09/26/80 05/20/82	Alpha Fabricators, Inc. 8970 S. Hanslik Court Naperville, IL 60540

BI-12	10/20/80	The Dexter Corporation Midland Division Dividend Road Rocky Hill, CT 06067
BI-13 BI-13/1	11/08/82 03/31/09	Protech Chemicals Limited 170 Rue Merizzi St. Laurent, Quebec Canada H4T 1S4
BI-14	06/27/85	The Gilman Company, Inc. P. O. Box 1257 Chattanooga, TN 37401
BI-15 BI-15/1	06/17/86	Glidden Coatings & Resins 1855 N. Leclaire Avenue Chicago, IL 60639
BI-16	10/03/80	Lilly Industrial Coatings 125 Blackstone Avenue Jamestown, NY 14701
BI-17/CR-4	11/04/93	First Rate Machine Work P. O. Box 159 Pecks Mill, WV 25547
BI-18	03/09/94	Morton Industrial Coatings P. O. Box 2238 Decatur, AL 35609-2238
BI-19	02/08/95	Termaco Limited 325 Industrial Boulevard St. Jean-Sur-Richelieu Quebec, Canada J3B-7M3
BI-20	10/29/96	Sherwin Williams 341 Eastland ShoppingCenter Lexington, KY 40505
BI-21 BI-21/01 BI-21/02 BI-21/03 BI-21/04 BI-21/05	02/19/02     06/02/03	TCI Powder Coatings 4036 Dixon Drive Ellaville, Georgia 31806
BI-22/0	09/04/03	Chemionics Corporation 390 Munroe Falls Road Tallmadge, Ohio 44278