



BATTERY ACCESSORIES

Spill Control Specifications

2.0 SPILL CONTROL & ACCESSORIES

2.1 Containment: Provide a spill control system compliant with current regulation requirements of the Uniform and/or International Fire Codes (UFC/IFC). System shall be 4" high and extend 1" beyond the furthest point of the rack. All components must be resistant to 70% concentrations of sulfuric acid in continuous emersion duty and completely free of Volatile Organic Compounds (VOC). Flooring shall be liquid tight with a pour-in, self-leveling, self priming, no V.O.C., Novalac epoxy. System shall be capable of withstanding a 92 ft-lb impact without losing liquid-tight integrity.

2.2 Installation: System shall not require drilling into the floor and shall be capable of being installed on concrete, composition tile, and other common battery room floor substrates. Any uncommon tools required for proper installation shall be made available by the manufacturer. Installation instructions shall be provided such that any qualified, licensed contractor may install spill control system. No routine maintenance shall be required for continued effectiveness or warranty validation. Spill control system shall be applied on top of, or around the rack frame and shall not be installed underneath any part of the rack that touches the floor. No component of the spill control system shall be inserted between the rack frame and the floor that could introduce a spring value. A liner of any type is unacceptable.

2.3 Neutralization: Provide absorption and neutralization mats in the quantity necessary to cover the entire area inside the system plus 10% and shall neutralize 100% of absorbed electrolyte to a pH of 7.0 – 9.0. Mats shall meet the fire safety characteristics of approved test protocols ASTM E 648-99, ASTM E 1354-99, UL-94 HBF, and NFPA 701-1999 and contain color indicators to differentiate between acidic and non-acidic exposures.

2.4 Spill Response Kit: One spill response kit shall be provided for each battery room to comply with OSHA 29 CFR 1910.120 Appendix B and 1926.441(a)5. Kit shall be contained in a locked storage cabinet or minimum 20-gallon, UN Certified waste disposal drum per OSHA 29 CFR 1910.120j. Kit shall include minimum of 2- gallon capacity absorption, neutralization, and neutralization verification, clean up and disposal supplies, acid resistant gloves, apron, sleeves, overshoes, goggles, faceshield, and personal eyewash.

2.5 Eyewash: One eyewash station shall be provided for each room to comply with OSHA 29 CFR 1910.151(c), 1926.50(g) and 1926.441(a)6 . Eyewash shall provide a constant, even flow for a minimum fifteen-minute duration at 0.4 gallons per minute. The unit shall be fully compliant with ANSI Z358.1-1990 and SEI certified. Eyewash shall provide positive water flow within one second of activation.

2.6 Aisle Mats: Battery room shall be equipped with aisle mats, which are electrically insulating, acid resistant, skid resistant, and perforated to drain electrolyte. Mats shall have beveled edges and shall be easily field modified to specific aisle dimensions. Mats shall be sized to match or exceed the length of the spill containment. Electro-static dissipation gear shall be provided. Mats shall pass UL 94 HB.

2.7 Room Signage: Provide one sign with 1997 UFC 6404.7 compliant verbiage for the outside of each entry door. All signage shall have screw holes and adhesive backing.

2.8 Vendor: Spill containment and neutralization equipment must be supplied by the original manufacturer. Approved vendor for spill containment and safety accessories, without substitution, shall be **Acran**.