

PADMOUNT ENCLOSURE SPECIFICATIONS

1. SCOPE

This specification applies to fiberglass outdoor pad mount enclosures. Unit shall be designed for mounting on a concrete pad by means of an internal flange completely around the base. Enclosures shall be in complete conformance with IEEE C57.12.28, Pad Mount Equipment Enclosure Integrity Standard.

2.0 CONSTRUCTION

- Fiberglass laminate shall be 3/16" nominal thickness except where local reinforcement is required.
- Fiberglass shall not support combustion and be self extinguishing.
- A stainless steel identification plate shall be affixed outside the enclosure which identifies the manufacturer; model number of the equipment, and date of manufacture.
- Stainless steel louvers shall be provided with stainless steel screen baffle for adequate air flow and heat dissipation as required for enclosed equipment.
- The enclosure exterior and interior shall be gel coated with a .014 inch nominal thickness. The exterior gel coat shall be an ISO/NPG type (isophthalic/neopentyl glycol) standard willow green, munsell green, or light gray colors for maximum color retention and weatherability. Total color change (delta E) shall be less than 3.0 after 1500 hours of accelerated exposure QUV testing per ASTM G154. Interior shall be gel coated white for reflective purposes.
- Locking device shall be equivalent to AISI 304 SS and provide padlocking provisions. The locking device shall be coordinated such that the padlock may not be inserted into the device until the access top is fully latched and the penta head bolt is securely engaged. All exterior and interior enclosure hardware shall be made of AISI 304 SS. Doors shall have two AISI 304 SS slip joint hinges with minimum 5/16" pins for rigid support and to allow easy field disassembly.
- Enclosure shall be removable without disturbing enclosed equipment.
- A stainless steel identification plate shall be affixed outside the enclosure and on the frame which identifies the manufacturer; model and serial number of the equipment; KV rating; and date of manufacture.
- Stainless steel louvers shall be provided with stainless steel screen baffle for adequate air flow and heat dissipation as required for enclosed equipment.

3.0 TESTING & STANDARDS

- Certified test data for the structural standards of finished laminate shall be made available upon request.
- The enclosure shall meet or exceed IEEE C57.12.28 Pad Mount Equipment Enclosure Integrity Standard.