WIREMOLD

legrand®

AL2400 Aluminum Surface Metal Raceway Product Specifications

AL2400 ALUMINUM SURFACE METAL RACEWAY

PART 1 GENERAL

1.1 SCOPE

This specification covers an aluminum surface metal raceway system to provide branch wiring and convenience power outlets. The aluminum raceway shall consist of a base, blank cover, and appropriate fittings for a complete installation per the electrical drawings.

1.2 CLASSIFICATION AND USE

Aluminum surface metal raceway is to be utilized in dry interior locations only as covered in Article 352 Part A of the National Electrical Code, as adopted by the National Fire Protection Association and as approved by the American National Standards Institute. The Wiremold Company AL2400 raceway system is listed by Underwriters Laboratories under File No. E73943 Guide RJBT and E74243 Guide RJPR.

PART 2 PRODUCT

2.1 MANUFACTURER

The aluminum raceway system specified herein for branch circuit wiring and convenience power outlets shall be the AL2400 Base and Blank Cover, as manufactured by The Wiremold Company. Systems of other manufacturers may be considered equal if, in the opinion, and the written approval of the engineer, they meet all the performance standards specified herein.

2.2 MATERIALS

The raceway and all system components must be UL Listed in full compliance with their standard for surface metal raceways and fittings (UL-5). The snap together base and cover shall be manufactured of 6063-T5 extruded aluminum alloy, 0.060" [1.5mm] thick throughout, with a satin anodized finish.

2.2.1 Raceway

The raceway shall be a two-piece design with a base and cover. Total width shall be 2.0" by 1.28" [50.8mm x 32.5mm] deep with a cross sectional area of 1.7 square inches [43.2mm]. The AL2400 raceway base shall be available in 5' and 10' [1.5m x 3.0m] lengths. The AL2400 series cover shall be tapered, blank without holecuts and available in 5' [1.5m] lengths.

2.2.2 Fittings

A full compliment of fittings must be available including, but not limited to, couplings, grounding adapters, flat, internal and external elbows, tees, crosses, entrance end fittings, blank end fittings and cover clips. Transition fittings shall be available to adapt to an existing flush wall box. All fittings shall be supplied with a base and the appropriate number of connector couplings where applicable. The fittings shall be an anodized finish to match the raceway.

2.2.3 In-Line Devices

The aluminum raceway system must have an in-line receptacle coverplate that mounts flush with the raceway profile. The coverplate shall be capable of mounting commercially available duplex receptacles. The in-line device cover shall be satin anodized finish to match the raceway.

PART 3 EXECUTION

3.1 INSTALLATION

Prior to and during installation, refer to system layout drawing containing all elements of the system. Installer shall comply with detailed manufacturer's instruction sheets that accompany system components, as well as complete system instruction sheets, whichever is applicable.

3.1.1 Mechanical Security

All raceway systems shall be mechanically continuous and connected to all electrical outlets, boxes, cabinets, in accordance with manufacturer's installation sheets.

3.1.2 Electrical Security

All metal raceway shall be electrically continuous and bonded in accordance with the National Electrical Code for proper grounding.

3.1.3 Raceway Support

Raceway shall be securely supported at intervals not exceeding 10 feet [3m] or in accordance with manufacturer's installation sheets.

3.1.4 Completeness

Work shall include fastening all raceway and appropriate fittings and device plates to install a complete aluminum surface raceway system as indicated on the electrical and/or communication drawings and in the applicable specifications. All raceway systems shall be installed complete, including wire clips and bushings where required by manufacturer's installation sheets.