

# SECTION 16130–RESIDENTIAL STRUCTURED CABLING RACEWAYS, BOXES, AND BRACKETS

## PART 1 - GENERAL

### 1.1 RELATED DOCUMENTS

- A. ANSI/TIA/EIA 570-A
- B. NFPA 70

### 1.2 SUMMARY

- A. This Section includes raceways, fittings, boxes, and brackets for residential structured cable management.

### 1.3 DEFINITIONS

- A. Bracket – orange backless box intended for telecommunications and fiber-optic applications.
- B. Divider– orange partition used to separate power from telecommunications/fiber optic cabling.
- C. Box/Bracket – blue two-gang enclosure. One side is a box intended for power applications. One gang is a bracket intended for telecommunications and fiber-optic applications. Both sides are separated from each other by a partition.
- D. Flexible Raceways – orange corrugated conduit systems intended for telecommunications and fiber-optic applications.

### 1.4 SUBMITTALS

- A. Product Data: Copies of literature or website pages.

### 1.5 QUALITY ASSURANCE

- A. UL Listed and labeled by a testing agency acceptable to authorities having jurisdiction. Exception: Cable Clips, Clamps, and Solvent Cement.


### 1.6 COORDINATION

- A. Coordinate layout and installation of raceways, boxes, and brackets with other construction that penetrates ceilings or is supported by them, including light fixtures, HVAC equipment, fire-suppression system, and partition assemblies.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURER [S]

- A. Carlon, Lamson & Sessions  
25701 Science Park Dr  
Cleveland, OH 44122  
1-800-3Carlon (322-7566)  
[www.carlon.com](http://www.carlon.com)

	Release Date:	01-21-03	Job Title:	Section 16130 Resi-Gard Specifications
	Contact Info.	25701 Science Park Drive * Cleveland, Ohio * 44122 1-800-3CARLON * www.carlon.com		Document No: SCMS956

## 2.2 RESIDENTIAL STRUCTURED CABLING RACEWAYS, BOXES, AND BRACKETS

- A. Resi-Gard® Flexible Raceway: UL Listed, orange, PVC, corrugated, raceways available in 3/4" (SCE4X1-100), 1" (SCF4X1C-100), 1-1/4"(SCG4X1C-100), 1-1/2"(SCH4X1C-50) and 2" (SCJ4X1C-50) trade sizes. Pull-tape pre-installed in 1", 1-1/4", 1-1/2" and 2" trade sizes.
- B. Fittings for Resi-Gard® Flexible Raceway: UL Listed, orange, Quick Connect 3/4" and 1" Couplings (SCA240E, SCA240F); Threaded Adapters (SCA243E, SCA243F); Snap-In Adapters (SCA253E, SCA253F); 1-1/4", 1-1/2", or 2" Male Terminal Adapters (SCE943G, SCE943H, SCE943J); Standard Couplings (SCE940G, SCE940H, SCE940J).
- C. Nonmetallic Outlet and Device Boxes: UL Listed Blue Boxes manufactured by Carlon.
- D. Brackets: UL Listed, orange, Add-On Bracket with (2) 3/4" flexible raceway connections (SC100SC); UL Listed, orange Adjustable Brackets (SC100ADJC, SC200ADJC); UL Listed, orange Brackets with (2) 3/4" flexible raceway connections and (2) pre-installed nails and flange (SC100A, SC200A)
- E. Divider Plate: UL Listed, orange partition (SCDIV) used with Carlon® Super Blue™ Boxes (BH235A, BH353A, BH464A, and BH234R)
- F. Dual Voltage Box/Bracket: UL Listed, blue with (2) 3/4" flexible raceway connections and (2) pre-installed nails (SC200DV)
- H. Mud Ring: UL Listed, orange (SCA410)
- I. Cable Clips: 1/4"(SC14CC), 1/2" (SC12CC), 3/4" (SC34CC) orange clips with pre-installed nails.
- J. Conduit Clamps: Orange 3/4" (SCE977EC), 1" (SCE977FC), 1-1/4" (SCE977GC), 1-1/2" (SCE977HC), and 2" (SCE977JC) sizes
- K. Solvent Cement: Resi-Gard® Solvent Cement (VC9963SC)

## PART 3 - EXECUTION

### 3.1 RACEWAY APPLICATION

- A. Indoor Use Only:
- B. Raceway Fittings: Compatible with raceways and suitable for use and location.

### 3.2 INSTALLATION

- A. Keep raceways at least 6 inches (150 mm) away from parallel runs of flues and steam or hot-water pipes.
- B. Do not use Resi-Gard in Air Handling Plenums.
- C. Maintain separation between power wiring and telecommunications/fiber optic cabling.
- D. Use proper solvent cement and adhere to safety precautions.
- E. Consult Carlon® Structured Cable Management Systems Handbook for more detailed information.


### 3.3 PROTECTION

- A. Maintain conditions that ensure products are without damage or deterioration at time of Substantial Completion.

### 3.4 CLEANING

- A. After completing installation of exposed, factory-finished raceways, boxes, and brackets, inspect exposed finishes and repair damaged finishes.

END OF SECTION 16130

	Release Date:	01-21-03	Job Title:	Section 16130 Resi-Gard Specifications
	Contact Info:	25701 Science Park Drive * Cleveland, Ohio * 44122 1-800-3CARLON * www.carlon.com		Document No: