



RULON INTERNATIONAL

Endure 900
Suspended Ceiling
Installation Guide

Rulon Suspended Endure 900 Ceiling Installation Guide

Receipt and Storage:

- a. All material shall be delivered to the project site in the original, labeled, unopened packages.
- b. Material shall be stored flat and level in a fully enclosed space, preferably in the room in which they are to be installed. **DO NOT store Endure ceiling strips and spacers in direct sunlight.**
- c. Care in handling must be exercised to avoid damage.

Before You Begin Installation:

- a. Ensure that all necessary tools are available (see below)
- b. Check Ceiling components to ensure all items required are at hand (see Page 2)
- c. Review this guide in its entirety. If you have any questions, call Rulon Company before you start the installation

If You Need Further Assistance:

- If you have any questions, or if you encounter a situation not covered by this installation guide, contact the Rulon Technical Department.

Phone: 1-800-22RULON (1-800-227-8566), 904-584-1400

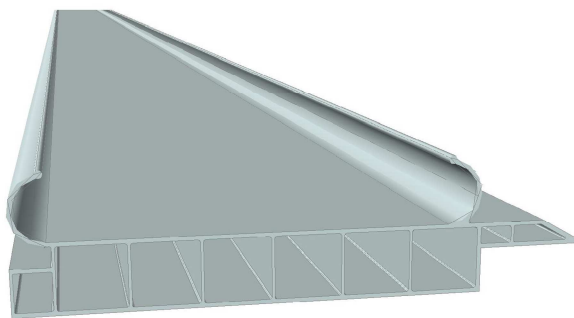
Fax: 1-904-584-1499

Tools and Equipment:

- Standard leveling devices
- Hacksaw
- Power miter saw w/ reversed fine tooth blade
- PVC Contact Cement
- Standard Contractor's tools

NOTE:

Call the Rulon Technical Department for clarification of Endure installation or for special conditions such as pools, gyms, exterior installations etc.



Endure #900 Strip Shown

Ceiling Components:

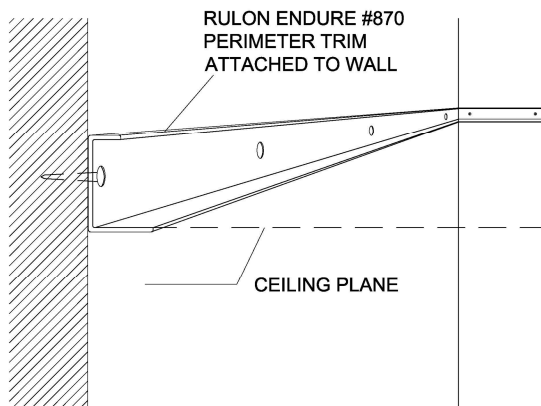
Supplied by Rulon:

- #900 Ceiling Strips
- #880 Carriers
- #890 Carrier Connectors
- #850S Splicing Material
- #870 Perimeter Trim

Supplied by others:

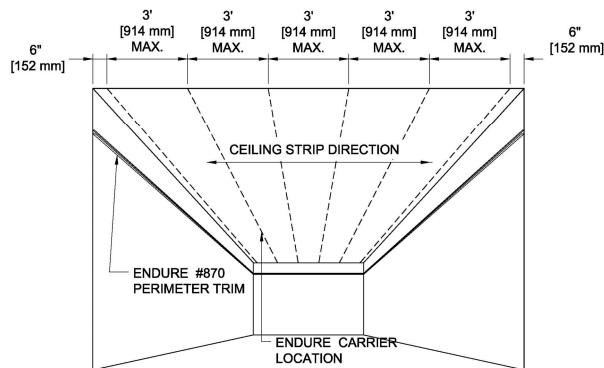
- #12 Gauge Hanger Wire
- Hanger inserts
- Fasteners, as needed
- Acoustical Blanket
(when specified)
- PVC Cement

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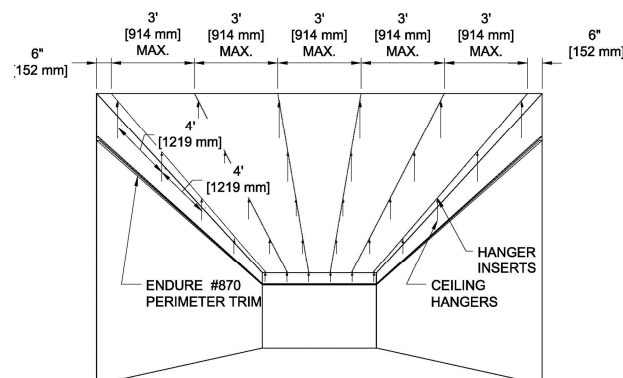
Step 1: Perimeter Installation

Establish the ceiling height with laser, water-level, or other appropriate method. Mark location. Install #870 Perimeter Trim at ceiling height with appropriate fastener.



Step 2: Carrier Placement (Interior)

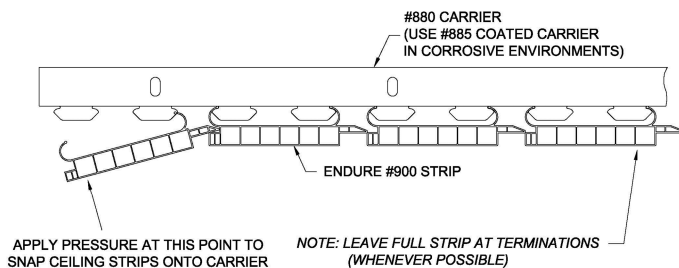
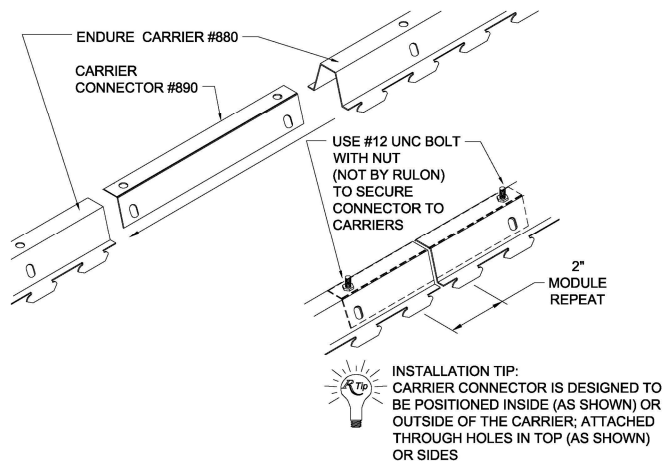
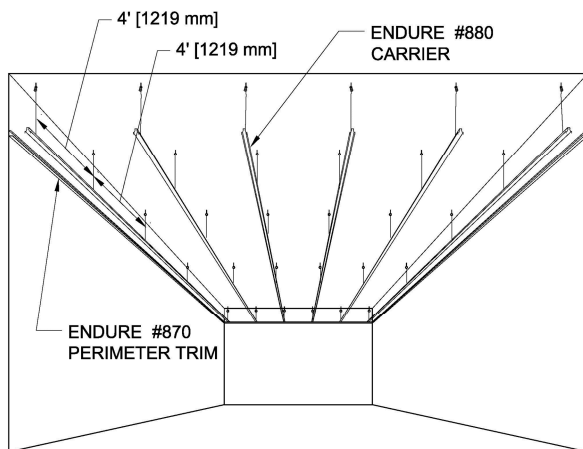
Mark Carrier locations, as specified. Carriers spacing should not exceed 3' [914 mm] O.C. Spacing differs for exterior applications or special conditions such as pools or gyms. Carriers shall be suspended starting 6" [152 mm] from one wall, and ending within 6" [152 mm] of the opposite wall. Carriers shall run perpendicular to the direction of the Endure ceiling strips.



Step 3: Attaching Hangers (Interior)

Install hanger inserts (i.e.; screw eyes, star anchors, or eye pins shot or hammered into structure or clips attached to beam flanges) at 4' [1219 mm] O.C. Hang #12-Gauge wire hangers from the inserts. Hanger wires need to be hung directly from building structure, unless otherwise covered in the Rulon shop drawings or reviewed and approved by the Rulon Engineering Department.

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Step 4: Carrier Suspension

Hang carriers from ceiling hangers. Level.

Note:

For exterior ceiling such as soffits, drive-thrus, etc., wind uplift may necessitate the use of hold-downs. Call Rulon for recommended methods of installation and refer to Rulon Shop Drawings if applicable.

Step 5: Extending Endure Carrier

At junctions between carriers, insert one #890 carrier connector. Attach carrier connector inside carriers as shown. Stagger locations of splice.

Note:

Carrier connector is for alignment only. Support carrier as needed near splice.

Step 6: Ceiling Strip Attachment

Beginning at one wall, connect the #900 Ceiling Strips to the carrier, in sequence. If acoustical blankets are to be installed, they should be placed above the ceiling, as the installation progresses. Light cutouts should also be made as the ceiling is installed.

Note:

It will be necessary to apply downward pressure to the ceiling carriers when snapping strips onto carrier.

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Step 7: Ceiling Strip Splices

When it is necessary to continue ceiling strips, align strip ends by placing a piece of #850S splice strip inverted, and centered, behind the #900 ceiling strips. This should be done when the strip is installed, prior to the installation of adjacent strips. PVC cement shall be used to secure the splice pieces. Ensure adhesive does not contact visible surfaces.

Note:

Strips shall be cut with a power miter saw having a reversed, fine tooth blade. Field check all strips (including full length strips) for a 90 degree cut end, and trim as necessary, to assure tight butt joints. To ensure a tight end match between all strips to be butted together, it is recommended strips be overlapped slightly and cut at the same time.

Step 8: Allowance for Expansion

Trim Endure strips at perimeter to allow for expansion and contraction. Dimension 'A' varies between ¼" [6 mm] and ½" [13 mm] for an 18' [5486 mm] long Endure ceiling, depending upon installation temperature. **Contact the Rulon Technical Department for Clarification.**

Step 9: Adjustment, Cleaning, and Repair

- a. The contractor shall make final adjustments to level or contours
- b. Upon completions of the ceiling installation, the contractor shall clean all Endure strips and borders of dirt, dust, grease, oils, fingerprints, etc. using warm, soapy water – followed by a rinse.
- c. All work that cannot be successfully cleaned and repaired shall be removed & replaced.

