

CENTREFLEX™ RADIUS MOULDING INSTALLATION INSTRUCTIONS

Made from polyurethane resin, Century Centreflex™ radius mouldings are a tremendous labor saving product perfect for radius, arched, concave, convex and elliptical applications. All moulding can be finished with either latex or oil base paint.

Tools & Materials You Will Need

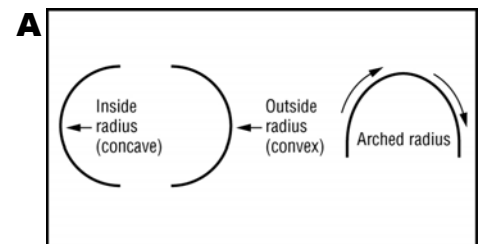
Sponge or clean cloth
Caulking gun
Miter box and saw or power miter saw
Chalk line box and pencil
Polyurethane construction adhesive [PL Premium® recommended]
Mineral spirits

Optional Tools & Materials

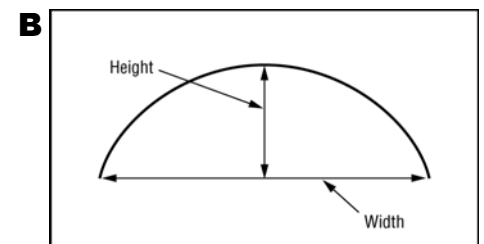
Putty knife
Hammer and nail set
Elastomeric adhesive caulk [White Lightning® 3006 recommended]
6d or 8d finishing nails [bright finish or electro-galvanized] fasteners must penetrate substrate a min. of ½" to ¾" inches.
Extra fine sandpaper

Planning Your Installation

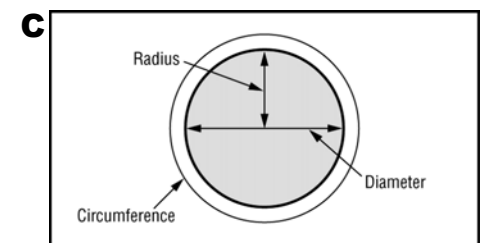
- 1 Centreflex moulding is available in custom lengths from 4 feet to 12 feet, in foot increments only. You can order any combination of lengths for your application. For best recommendation of lengths call Century Customer Service.
- 2 When installing Centreflex moulding it is important to establish a plan for the layout and determine which type of Centreflex moulding you will need. Select from: inside radius [concave], outside radius [convex], arched radius, circular, elliptical or multiple radius [A].
- 3 Next measure your space to determine linear footage of moulding needed. To do this use this formula: $2 \times [\text{height in inches}] + [\text{width in inches}] = \text{footage in inches}$ [divided by 12] to determine linear footage required [B]. Add 10% to total linear footage for miter cuts and then round up to the next foot increment.
- 4 For example:
 $2 \times \text{height of } 12" = 24"$
 $+ \text{a width } 84" = 108"$
 $108" \text{ divided by } 12 = 9'$
 Add 10% = 9' 9" Then round up to the next foot increment - 10
 You will need to order 10 feet of linear moulding.
- 5 If you have any questions in determining your requirements please call Century before ordering. We will gladly help you determine your Centreflex requirements. Note: For all multiple and elliptical installations customer must provide Century with a template.
- 6 When ordering moulding for a full circle applications, such as a ceiling rim around a dome or medallion, use the following formula: [Diameter x 3.14].
 - a. For example:
 Your installation requires moulding for a 6' diameter dome
 $6' \times 3.14 = 18.84$ linear feet. Round this up to 20 feet
 Order two - 10-foot lengths with a 3' radius [C].



Determine application



Determine your height and width



Determine your Radius, Diameter and Circumference

Before Installation

- 1 You can finish [paint or faux finish] moulding before or after installation.
- 2 After installation touch-up any area as needed.
- 3 Place moulding in room for 48 to 72 hours before installation to allow moulding to adjust to temperature and humidity levels of room.
- 4 ALWAYS store moulding in a dry well-ventilated, low-humidity area. NEVER store moulding outdoors.

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CENTREFLEX™

RADIUS MOULDING - 2

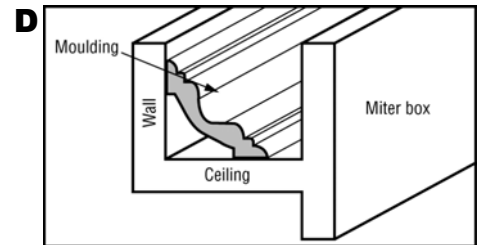
INSTALLATION INSTRUCTIONS

Surface Preparation

- 1 Clean all surfaces free of dirt and loose particles with a clean cloth or sponge.
- 2 Make sure area is completely dry before installing product.

Mitering Corners

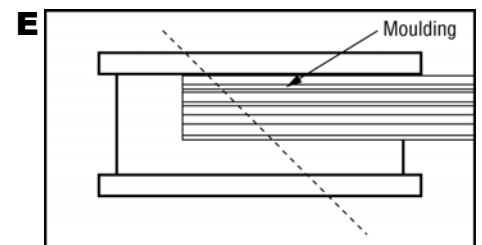
- 1 The key to successful mitered corners is placing the moulding correctly in the miter box or power saw fence/rail.
- 2 Moulding should be placed in the box so that the ceiling bedding edge of the moulding lies against the bottom of the box or saw and the wall bedding edge of moulding lies against the side of the miter box opposite you. TIP: Before cutting, label the miter box or saw bottom "ceiling" and the side with "wall" [D].
- 3 Cut all miters and butt joints before you install moulding. After cutting, lay moulding in place around the room to make sure all cuts and joints are correctly measured.



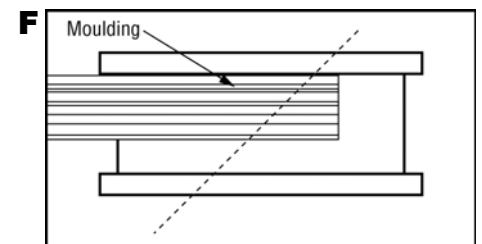
Place moulding in miter box as shown.
Mark box as shown.

Mitering Inside Corners

- 1 Take two pieces of moulding that will be used for your first inside corner.
- 2 Place the "left" length of moulding in box as described above and cut 45° mitered corner - your saw should point **left** [E].
- 3 Next place the "right" length of moulding in box - before cutting note moulding pattern and adjust your cut to allow for continuity of pattern. Cut the right miter with your saw pointing **right** [F].
- 4 Check your cuts by placing the two mitered ends together, to insure a good fit.



Inside left corner



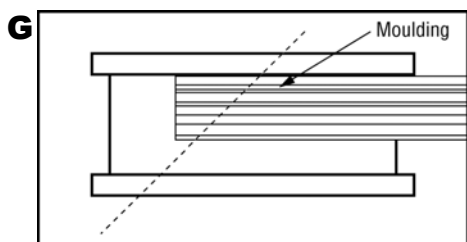
Inside right corner

Mitering Outside Corners

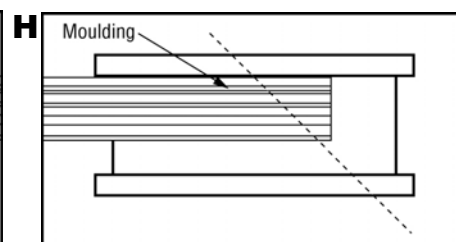
- 1 Take two pieces of moulding that will be used for your first outside corner.
- 2 Place the "left" length of moulding in box as described above and cut 45° mitered corner - your saw should point **right** [G].
- 3 Next place the "right" length of moulding in box - before cutting note moulding pattern and adjust your cut to allow for continuity of pattern. Cut the right miter with your saw pointing **left** [H].
- 4 Check your cuts by placing the two mitered ends together, to insure a good fit.

Butt Joints

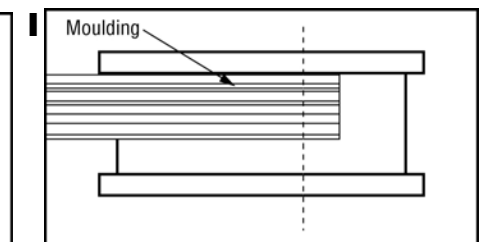
- 1 When moulding lengths do not span the entire length of a room, you will need to "butt joint" two moulding lengths together. This typically occurs when Centreflex moulding is used in combination with straight rigid moulding.
- 2 Note the pattern on the cut moulding and adjust the pattern on next length of moulding when cutting to insure pattern continuity.
- 3 Lay the moulding in the miter box the same as described above and cut a straight edge [I].



Outside left corner



Outside right corner



Straight edge cuts - butt joint

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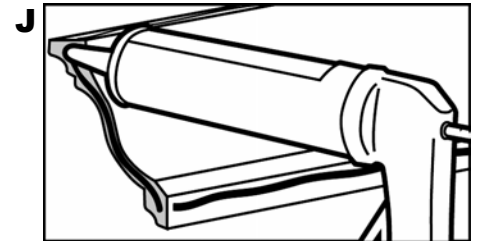
CENTREFLEX™ RADIUS MOULDING - 3 INSTALLATION INSTRUCTIONS



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General Installation

- 1 When installing Centreflex moulding in combination with straight rigid moulding products, always install all portions of Centreflex moulding first.
- 2 When installing as a crown moulding, first mark the entire length of wall around the room with your chalk line box and pencil.
- 3 Mark the bottom edge when installing crown or cornice moulding, the top edge when installing chair rail moulding and the outer edge when installing arch moulding.
- 4 ALWAYS start installing moulding behind a door or at an inconspicuous corner, because the repeat pattern of your last joint will most likely NOT match at the joint.
- 5 Follow Ceiling Rim Installation Instructions when installing Centreflex as a decorative rim.
- 6 Cut all mitered joints and butt joints before you install to insure good joint match.
- 7 Apply a 1/4" continuous bead of construction adhesive along the backside top and bottom edges of moulding [J] and at butt and mitered joint ends. Use adhesive to fill any gaps. Gently press the moulding into place and secure using finishing nails.
- 8 Option: You may want to tack or secure moulding into place using finishing nails. If you want to remove nails after construction adhesive dries, leave approximately 1/2" nail exposed for easy removal. TIP: Nail moulding in ornamentation areas of moulding into wall. When adhesive dries [approx. 2-3 hours] either remove finishing nails or use nail set to countersink nails, making sure that nails penetrate wall at least 1/2" to 3/4". **NOTE: due to increased weight of Centreflex products, it is highly recommended that you permanently secure moulding with finish nails.**
- 9 Apply caulk to moulding edge as needed and smooth excess caulk with your finger or putty knife, giving the appearance of the moulding being part of the wall [K]. Wipe any excess adhesive from edges and clean with mineral spirits.
- 10 Fill nail holes with elastomeric adhesive/caulk - smooth the surface with your finger or putty knife. Once caulk is dry and if needed, *lightly* sand any rough spots with extra fine sandpaper.
- 11 Paint or touch up moulding with paint as needed.



Apply continuous bead of adhesive to bedding edges and butt or miter joints of moulding



Apply paintable caulk to edges

Always Follow These Safety Suggestions

- 1 Follow good construction practices.
- 2 When using power tools, adhesives and finishing materials [such as paint or stain], be sure to follow manufacturer's instructions.
- 3 Always wear safety goggles when using a power tool or hammer.
- 4 Always use the right tool and/or equipment for the job.

Century Centreflex radius mouldings function as decorative elements only, and are not designed to support electrical fixtures or provide any load bearing capacity.

Century Architectural Specialties shall not be responsible if any failure to comply with these installation instructions results in the products failing to perform the purpose intended.

Warranty

Century Architectural Specialties warrants all its products to be free from manufacturing defects for a period of three [3] years from date of purchase. This warranty does not include damage or other problems resulting from improper installation, misuse or normal wear and tear. Century's liability is limited to product replacement cost. It does not include freight or handling expenses, installation cost or any other costs or expenses incurred in connection with the purchase or use of our products.

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