

Rolling Counter Shutters WITH INTEGRAL FRAME AND SILL

MODEL ESC20 (non-rated) & ERC20 (fire-rated)



Custom Appearance with Easy Installation

Counter Shutters, also known as Counter Doors, with Integral Frame and Sill wrap and secure openings above counters and other finished openings in interior fire-rated or non-rated walls.

Factory welded frames are configured to order and offer a custom, built-in look. Simplified construction makes for fast and easy installation, saving time and money for contractors and building owners.

Counter Shutters with Integral Frame and Sill are designed with reduced coil, bracket and header size (8" minimum) to fit tight clearances and provide enhanced aesthetics. Jamb and head trim pieces contribute to the finished aesthetics and appearance.

Counter Shutters with Frame and Sill (Non-Rated):

- + Built to order: Fits specific dimensions based on operation:
 - o Push-up: Up to 11' 7" C.O.W. by 5' C.O.H.
 - o Hand Crank: Up to 11' 6" C.O.W. by 5' C.O.H.
 - o Tube Motor: Up to 11' 7" C.O.W. by 5' C.O.H.
- + Use in masonry or drywall openings from 4" min. to 13" max.
- + Solid curtains or perforated slats (ScreenGard®) available
- + Push-up and hand crank designs. Alternate designs for tube motor operation available.

Counter Fire Shutters with Frame and Sill (Fire-Rated):

- + UL Labeled
- + Fire Protection: ¾, 1 or 1½ hour labels available
- + Built to order: Fits specific dimensions up to:
 - 10' 10" C.O.W. by 6' 4" C.O.H. for built-in construction
 - 11' C.O.W. by 6' 4½" C.O.H. for slip-in construction
- + Use in rated walls, masonry, rated drywall (wood or metal studs) with wall thickness 4½" min. to 12" max.
- + Push-up operation available
- + Optional Smoke and Draft protection labels available



BENEFITS

- + Clean, custom appearance without exposed edges
- + Slip-in units are ready to be set into existing walls, eliminating the need to coordinate installation during wall construction
- + Built-in units wrap around both sides of wall opening; installation is done while wall is under construction

APPLICATIONS

- Service Windows In:
- + Cafeterias
 - + Healthcare Facilities
 - + Educational Facilities
 - + Hospitality
 - + Public Spaces

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COMPONENTS

Hood & Fascia

16 ga. protective and aesthetic metal enclosure for the curtain that provides weather resistance at the head of the unit and keeps the brackets rigid
Standard Material & Finish: Stainless steel with #4 finish or powder coated steel

Operation

Non-Rated Units: Push-Up, Tube Motor or Crank
Fire-Rated Units: Push-Up

Counterbalance Shaft

Minimum 3" diameter outer shaft and 5/8" inner shaft assembly supports the curtain and contains counterbalance torsion springs for assisting operation.

Standard Material & Finish: Steel

Brackets

Reinforced steel plates bolt to jamb assembly and support counterbalance shaft and curtain; 8" minimum coil, bracket and header size
Standard Material & Finish: Stainless steel with #4 finish or powder coated steel

Curtain

Interlocking roll formed flat-faced 1 1/2" high slats with endlocks riveted to ends of alternate slats to maintain curtain alignment and prevent wear
Standard Material & Finish: Stainless steel with #4 finish, galvanized steel with exclusive GalvaNex™ finish in light gray or aluminum with clear or color anodized finish (non-rated only)

Frame

16 ga. integral welded steel head and jambs. Guide groove is incorporated into jamb design.
Standard Material & Finish: Stainless steel with #4 finish or powder coated steel

Sill

Standard Material & Finish: 14 ga. 300 series, #4 finish, stainless steel for a seamless, custom look
Optional Material & Finish: Plastic laminate-covered countertops, finish selected by customer

Bottom Bar

Equipped with vinyl astragal/weather seal to cushion the contact point on the counter. Includes optional locking mechanisms: Slide bolts available on angle bottom bars only; Cylinder and thumb locks available on tubular style bottom bars only. Note: Cylinder locking not available with tubular operators (non-rated units only). Extruded tubular bottom bar shown above.
Standard Material & Finish: Aluminum with clear or color anodized finish (non-fire rated only), stainless steel with #4 finish, or powder coated steel

Trim

16 ga. bent steel jamb trim angles for slip-in units located opposite of finished side of opening. Head trim piece optional. **Standard Material & Finish:** Stainless steel with #4 finish or powder coated steel

MOUNTING OPTIONS

- + **Between Jamb Mounted Units:** Coil mounted within the opening with minimal projection beyond the wall
- + **Slip-In Units:** May be set into finished walls, eliminating the need to coordinate unit installation while constructing the wall. Trim is provided for the unfinished side of the unit.
- + **Built-In Units:** Wrap around and trim the wall on both sides. Built-in units are installed while the wall is being constructed.
- + **Face of Wall Mounting:** Available with non-rated units only

SILL OPTIONS

- + **Plastic laminate labeled and non-labeled sills:** Finish selections are available from a full range of Wilsonart® or Formica® plastic laminates. Nevamar® or Pionite® available, and if selected, require additional lead time and cost.
- + Choose the **no sill option** when the seamless look of an integral frame unit is desired, but a countertop already exists or will be provided by another trade

ADDITIONAL OPTIONS

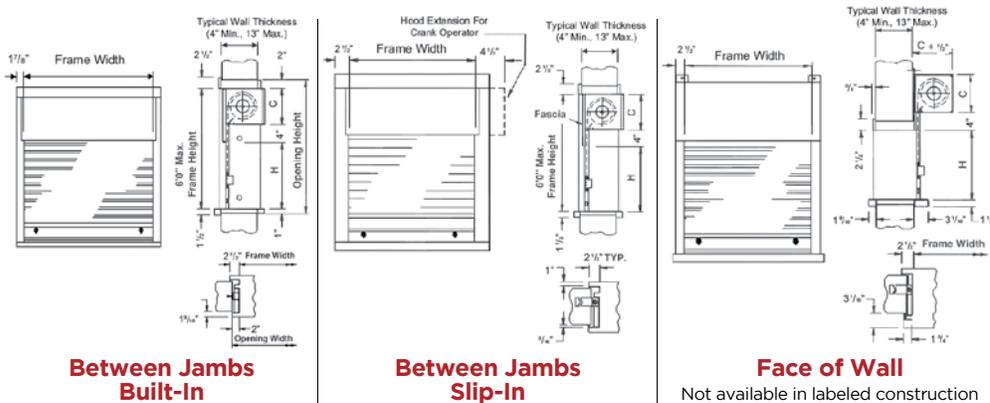
- + Smoke protection labels available
- + Graphics for curtain or hood
- + Cylinder locking device
- + Non-labeled or labeled laminate sills
- + No sills
- + Slip-in unit trim for coil head area

SPECTRASHIELD® POWDER COAT FINISH



Cornell's SpectraShield Powder Coat Finish in a choice of over 180 colors adds durability and aesthetic value. Surface preparation and coating process produces a smooth, lasting finish at controlled costs.

MOUNTING & CLEARANCES



Non-labeled units shown in drawings above. Labeled units are similar, but have wider frames. Consult factory when dimensions are critical.

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