

WINDOOR™

Window Hardware

Operator

Duratherm proprietary pushbar comprised of oxidized bronze alloy components and a solid brass bar, copper plated and oxidized to match bronze. The pushbar operator is mounted on the door stile for casement window operation, the bottom rail for awning operation. It is designed to be manually operated for the entire length and to hold the sash at intermediate points. Available in one piece or hinged at mid-point of length.

Finishes: Oil-rubbed Bronze (US10B), Lacquered Red Bronze (US20A), White Bronze (US26D).

Sash Locks

Oxidized bronze alloy latches ensure positive, uniform locking action.

Finishes: Oil-rubbed Bronze (US10B), Lacquered Red Bronze (US20A), White Bronze (US26D).

Hinges

Casement sash: Full height stainless steel piano hinge.

Awning sash: Truth Maxim® 300 series stainless steel extension hinges.

Insect Screens

1" x ¼" tubular extruded frames in anodized bronze, mill finish aluminum or custom color painted aluminum. Mesh of 18 x 16 screen cloth held with vinyl spline, available in charcoal finished aluminum, mill finish aluminum, stainless steel or bright brass.

Door Standard Hardware (residential applications only)

Lockset

Heavy duty mortise construction. Half-turn lever controls hook bolts, dead bolt, and latch. Hook bolt assembly fully mortised into rail to provide 3- or 4-point latching at frame and adjacent door/frame. Locking mechanism incorporates a standard US cylinder. Based on G-U Cremona or Tripact door bolt system.

Finishes: Yellow Dichromate or black powder coated steel. Cremona locksets are available in stainless steel.

Escutcheons / Lever Handles

Escutcheons, roses, and lever handles are available in a variety of styles and configurations from various manufacturers.

Finishes: A variety of finishes are available from various manufacturers.

Hinges

Solid brass 4½" x 4½" five-knuckle ball-bearing butt hinges, minimum 1½ pair per leaf, in manufacturer's standard finishes.

Finishes: A variety of finishes are available from various manufacturers.

Door Commercial Hardware

Most commercial hardware can be incorporated into our door panels, including flush bolts, exit devices (rim, mortise, surface vertical rod and concealed vertical rod), door closers, electric strikes, and others.

NOTE: Some hardware installations may require modifications to door leaf or frame detailing, such as concealed closers and meeting rail weather-strip at concealed vertical rod assemblies. Contact factory for assistance. Hardware must be suitable for our standard 2¼" leaf thickness.

Optional Hardware

Screen doors, astragals, ADA-compliant metal thresholds.

Glazing

All glazing is per project specifications. Duratherm can accommodate most configurations and make-ups from ⅛" single glazed to a maximum of 1" security glass. Refer to the Glass and Glazing Guide in the Introduction section of this binder. Clear glass opening: Unit height minus 15⅝", unit width minus 12".



WINDOOR™

Weather-Stripping

Door Panel

Doubled continuous extruded silicone flap gasket set in rebate around the perimeter of the door leaf. Engaging the multi-latchpoint espagnolettes compresses the weather-strip to ensure a tight seal.

Casement and Awning Sash

Continuous extruded silicone flap gasket set in rebate around the perimeter of the sash. Engaging the sash locks and pusharm compresses the weather-strip to ensure a tight seal.

Sizing

The minimums and maximums shown are intended as guidelines. For applications that exceed these ranges, please contact the factory for assistance.

General

WIDTH: Minimum: 24"
Maximum: 48"

HEIGHT: Minimum: 74"
Maximum: 96"

OPERABLE SASH:

WIDTH: Minimum: 12½"
Maximum: 36"

HEIGHT: Minimum: 24"
Maximum: 60"

Maximum sash area:
15 sq ft

ADA Compliance

Clear-opening sizing based on 32" clear width requirement.

Minimum unit width: 35½"
(assuming 180° door swing)

NOTE: Standard wood threshold may not meet ADA maximum height requirements. Doors that are not able to open a full 180° may need to increase in width.

Consult factory with specific clearance questions

Frame Depths Leaf Thickness

Leaf thickness: 2¼"

Standard frame depth *: 6¼"

Minimum frame depth *: 4¾"

Maximum frame depth: 10"

* Contact factory for frame depths less than 6¼".

