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Thresholds & Weatherstripping

General Information

FEATURES

Insulation

All products are furnished with appropriate fasteners as listed, except where noted. Most thresholds are furnished with mounting flange and #10 x 1-1/2" flat head wood screws. Most weatherstripping products are furnished with stainless steel and #6 x 1/8" pan head sheet metal screws. Brass screws are furnished with brass products.

Options

THRESHOLDS:

#10 Wood Screws and Plastic Anchors

#10 Wood Screws and Lead Anchors

#10 Machine Screws and Lead Anchors

1/4-20 Machine Screws and Lead Anchors

#10-15 Wood Screws

#10-15 Wood Screws and Plastic Anchors

#10-15 Wood Screws and Lead Anchors

1/4-20 x 2" Flat Head Sheet Metal Screws

#10 x 1-1/2" Flat Top Wood Screws

#10 x 1-1/2" S.S. Flat Top Wood Screws

#10-14 x 1-1/2" Flat Top Machine Screws

#10-14 x 1-1/2" S.S. Flat Top Machine Screws

#10-14 x 1-1/2" S.S. Spacer Head Machine Screws

#10-14 x 1-1/2" S.S. Spacer Head Wood Screws

#10 x 1-1/2" Spacer Head Wood Screws

(List for Anchors & Lead Products Only)

Top Coat Type (1/4" x 1-1/2")

WEATHERSTRIP:

#6 x 1/8" Pan Head Stainless Steel Screws

#6 x 1/8" Self-Drilling TRS Screws

#6 x 1/8" Pan Head Security-Tite Sheet Metal Screws

See Models

See Models Self-Adhesive Tape

GENERAL INSTALLATION INSTRUCTIONS - PROBLEM PRODUCTS

- Installation should not start until the construction has been completed, and final clean-up has taken place.
- The frame should be cleaned, sanded, and primed as recommended.
- Not recommended for use on porous applications.
- Do not store these products in extreme heat/cold or for prolonged periods of time.

CERTIFICATIONS

Handing Accessibility

Products denoted by this symbol are designed for applications where handing accessibility is required. These products are to provide a clear path of travel that is at least 36" (914 mm) in height and free of more than 1/4" (6.3 mm) vertical clearance with steps protruding no greater than 1/2" (12.7 mm). Other floor conditions greater than 1/4" (6.3 mm) may require a 1:12 slope.



Ice Mitigation

Products denoted by this symbol have been tested with wind-tunnel infiltration at either the ASHRAE 62.1 or ASHRAE 90.1 standard at a pressure of a 28 mph wind (11.8 m/s). The tests were conducted in accordance with ASHRAE test procedures and meet ASHRAE 62.1-90 & ASHRAE 90.1-90.



Sound Tested

Products denoted by this symbol have been sound tested and received the appropriate STC rating. The tests were conducted in accordance with ASHRAE test procedures and meet ASHRAE 90.1-90 & ASHRAE 90.1-90.



Products denoted by this symbol are classified and labeled by Underwriters Laboratories, Inc.® as general materials for use in listed structures and/or classified occupancy type for doors of the hollow metal or steel covered composite type rated as fire doors, or wood core fire doors rated up to 1 1/2 hours. Test results show these products do not adversely affect the resistance of the door to flame spreading or to glazing. All products are regularly checked under a labeling and listing service. The distance between the door and the frame and between the meeting edges of doors meeting in pairs shall be 1/4" (6.3 mm) to 1/2" (12.7 mm) for steel doors and shall not exceed 1/4" (6.3 mm) for wood doors.



Door Ratings on some forms may vary and are noted on the individual products. Classifications may be viewed at www.ul.com/doors.

POSITIVE PRESSURE AND 2-0 (PHF) PART 1 & 2 CATEGORY AND SPECIAL EXPLANATION



ULC 714 (2007) with your threshold has been positive pressure tested to the new standard. Part 1 of this standard describes the test. Since the systems used to design the weatherstripping for test and show not differentiate between categories "1" and "2", additional information is needed. Products intended for use as edge entry systems need to be labeled as such in test category "1" or "2". Without this information, the product is category "2", denoted for the new standard of positive pressure.



IBC 7-105(1) Part 1 - Fire Test Category A System Explanation

Category A – Products that are Edge-Sealing Systems, Category “C” Edge-Sealing Systems are for use with the doors requiring an edge seal to meet positive pressure test requirements. These systems are not floor-applied to either the perimeter of the door frame or meeting edges of door joints. Category “C” gaskets are usually instrumented material that material will wear more times its original edge during a fire and help contain the spread of fire by sealing the edges of the door. Category “C” gasket can be used as a smoke control gasket for passes the IBC 7-10 (1997) Part 1 test for smoke.

Category A – Products that are positive pressure tested to determine that they do not contribute to flaming during a fire, they do not provide an edge sealing system. Examples are gaskets capable sound, dust, control or automatic door closers. Category “C” gasket can be used as a smoke control gasket only if it passes the IBC 7-10 (1997) Part 1 test for smoke control.



IBC 7-10 (1997) refers to the product has been positive pressure tested to the new standard. Part 1 of the symbol designates tested for smoke. Gaskets passing the smoke test receive a category “C” rating. This symbol includes the Part 1 designation since all smoke control gaskets are positive pressure tested. Should the gasket pass the Part 1 fire test with a category “C” rating must be a combination edge-sealing system and smoke seal gasket. This gasket passes Part 1 with a category “C” rating. It is simply a smoke seal that has passed the new positive pressure fire test to prove that it does not contribute to flaming during a fire.

IBC 7-105(1) Part 2 - Smoke and Heat Control Test Category A System Explanation

Category A – Designers gaskets that pass IBC 7-10 (1997) Part 2. This is a separate second test that does not include fire. All gaskets being tested for smoke must initially be fire tested under the requirements of IBC 7-10 (1997) Part 1 and receive category “C” or “E” rating before being smoke tested. IBC 7-10 (1997) Part 2 tests the gasket for its ability to control smoke at elevated temperature (400°F) (204°C). Smoke seals are used on the frames of doors that have an “E” or “C” fire rating label to complete the installation instructions and satisfy the code requirements for a Smoke Control Door.

SOLUTIONS FOR FIRE SAFETY

Hager Companies is committed to life safety by providing sealing systems to contain fire and prevent the spread of smoke.

Gaps created between a door and its frame for everyday operation create an area of vulnerability for the passage of flames and smoke during a fire. The rapid expansion of gases generated by a fire is a destructive condition as one of possible pressures that forces flames and smoke through these gaps. Hager Companies' Edge Sealing Systems and Smoke Seals create a barrier and seal in reducing these areas during a fire.

Hager Seals and Gaskets Stop the Spread of Fire and Smoke

Benefits of Hager Companies' Products

- Hager Companies' products have extensive approvals and listings from both Performance Testing and Underwriters Laboratories
- Grade of built-in or building-wide systems for smoke control doors requiring the addition of a smoke seal to validate their “C” label
- Option of co-extruded combination fire and smoke seals offer a superior alternative to separate applications of a smoke seal and instrumented edge seal
- Cost-effective, easy retrofit installation solutions for positive pressure smoke sealers
- Streamlined designs provide protection against fire and smoke
- Comprehensive range of sizes, including customized requirements to suit all applications

In 1997, the International Council for Building Officials (ICBO) approved a change to the Uniform Building Code (UBC) regarding fire testing methods.

This code change requires fire doors to be fire tested under positive pressure instead of neutral pressure. The main difference between tests performed under positive pressure and neutral pressure is the location of the sealed plates and the introduction of positive pressure on just of the test. Under this new code, everything about 40” (1016 mm) is subject for testing under positive pressure conditions.

The change in the test method has led to a generation of gaskets that incorporate instrumented materials to address the demands of positive pressure. Along with these new products are new terminology and new code requirements.



VINYL DOOR BOTTOMS/SWEEPS

HIGH PERFORMANCE DOOR BOTTOM

VINYL DOOR BOTTOMS AND 2 1/4" ALUMINUM DOOR BOTTOMS



8100S
Rolling performance door bottom

FINISHES

- | | | |
|---------------------------|------------------------------|-------------------------|
| 1 = 8100 (rolling) | 2 = White Slip Anodized (SA) | 3 = Satin Nickel (SN) |
| 4 = Clear Anodized (CA) | 5 = White Polished (WP) | 6 = Brown Anodized (BA) |
| 7 = Natural Anodized (NA) | 8 = White Slip Anodized (SA) | |

Available finishes are listed below the part number.

STANDARD SIZES

36", 48", 60", 72"

Specify cut for exact length.

*Minimum order quantity is 1000'.



DOOR BOTTOMS/SWEEPS

THRESHOLDS & DOOR BOTTOM COMBO PACKS

Door bottom/sweep and threshold packaged together (2 sweeps on each side)

Part #	List of Parts
252	Combo 252/253
253	Combo 252/253
254	Combo 252/254
254	Combo 252/253
255	Combo 252/255
255	Combo 252/254
257	Combo 257/254
258	Combo 258/253
259	Combo 259/251
259	Combo 259/252
260	Combo 260/254

PS = 3/8" Phillips head sheet metal screws provided.

See fabrication options available on pages 52-54.

FABRICATION OPTIONS

Style H
Half-round



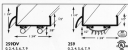
Style I
Flat round



Style J
3" level



Style W
Wash flange



FINISHES

0 = Clear Finish (25)	4 = White Dip-Coated Steel (250)	F = Satin Nickel (25)
1 = Clear Anodized (25)	5 = White Painted (25)	P = Brush Anodized (25)
2 = Clear Anodized (25)	6 = Silver Dip-Coat Anodized (250)	

Available finishes are listed below the part number.

STANDARD SIZES

24 1/2", 25 1/2", 26", 26 1/2", 26 3/4",
27 1/2", 28", 28 1/2", 29"

Specify part for custom lengths.