



**TRADEMARK
HARDWARE**

WORLD OF QUALITY HARDWARE

Flood Barrier Product Data Sheet

Flood Guard uses an inventive design that provides a lightweight, cost-efficient, and reliable flood protection option for openings in most buildings. The product is engineered to provide a watertight guard that protects and **prevents water ingress** through doors and windows.

Compression seals, made of **solid rubber extrusion (SRE)**, used on the bottom of the guard. This SRE aids in creating a tight seal around the perimeter of the product. In addition, the removable guard can be conveniently stored. Upon news of rain or a flood, simply drop down the guard into the pre-installed aluminum brackets.

The guards are used to deflect unwanted water from penetrating doors and windows. Large openings, garage doors, standard commercial openings, and residential openings, are all ideal applications for the Legacy product to be used.

The aluminum channels used in the Flood Guard are **extruded aluminum**. The guard itself however is a **5052 type marine grade aluminum**. The SRE has been engineered to be specific for this type of application. The rubber compensates for any gaps around the door or window. As water hits the guard, the horizontal hydrostatic pressure is converted to downward pressure on the SRE causing a secure, tight seal around the perimeter of the frame.

- Easy and affordable flood protection
- Heavy-duty, rust-free, marine grade components
- Guards are easy to store
- Exceeds FEMA & NFIP floodproofing certification standards



PRODUCT SPECIFICATIONS

Guard	5052 marine aluminum alloy
Frames	Channel 6062 alloy T5-T6, with 10-32 stainless steel Allen head tightening screws every 8" on center.
Seal	SRE composed of high density for strength and low hardness for compression rubber extrusions.
Hardware	#10 x 1-1/4" FHPH with plastic expansion tube anchors. Snap covers for safety provided for the top of the channels and for the mounting holes.
Installation	To install Hollow Metal frames, Aluminum Frames, Wood frames. To install on concrete, brick or metal surface outside the frame.
Floor Surface	Optional flat 1/4" x 2" bevels on 2 sides aluminum plate.



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Last Updated: 10.26.22

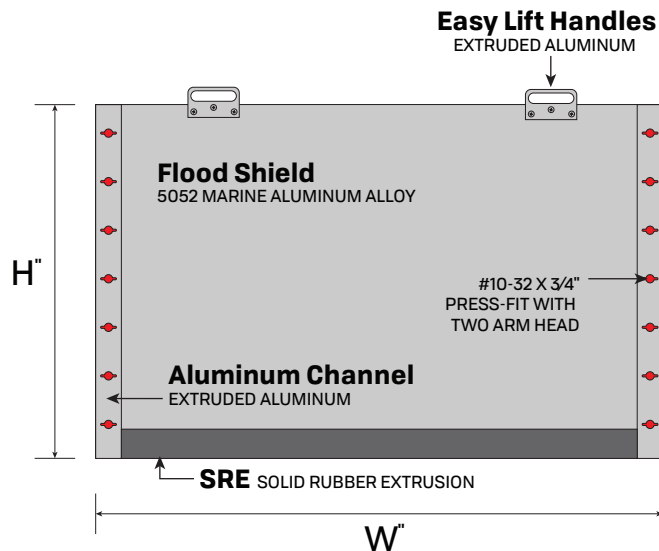


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Flood Barrier Product Specs

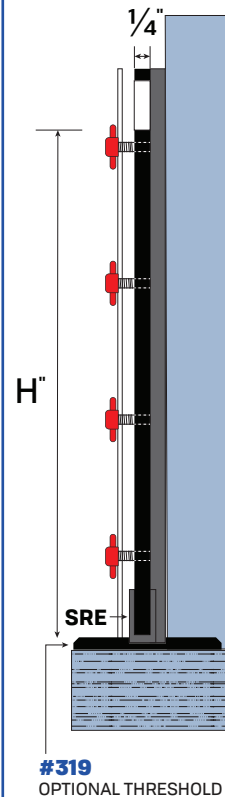
FRONT VIEW



MATERIALS / SPECIFICATIONS

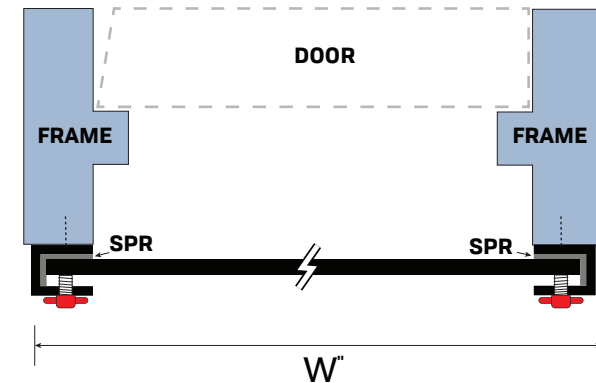
- 5052 type Marine-grade Aluminum
- 3/4" x 3/4" x 1/4" channel aluminum extrusion
- #10- 32 x 3/4" Stainless Steel screws, press fit with two arm head
- Close cell sponge compression EPDM, SRE type

SIDE VIEW

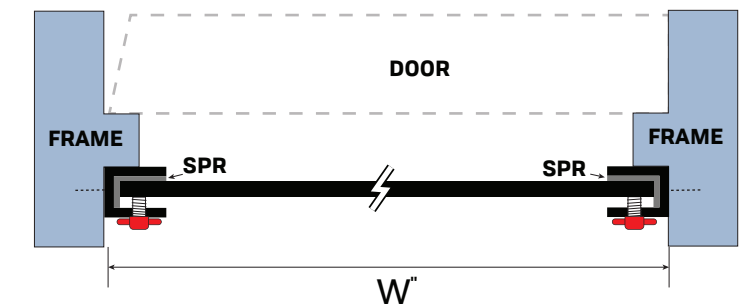


TOP VIEW

1 OUTSIDE MOUNT - #5127



2 INSIDE MOUNT - #5027



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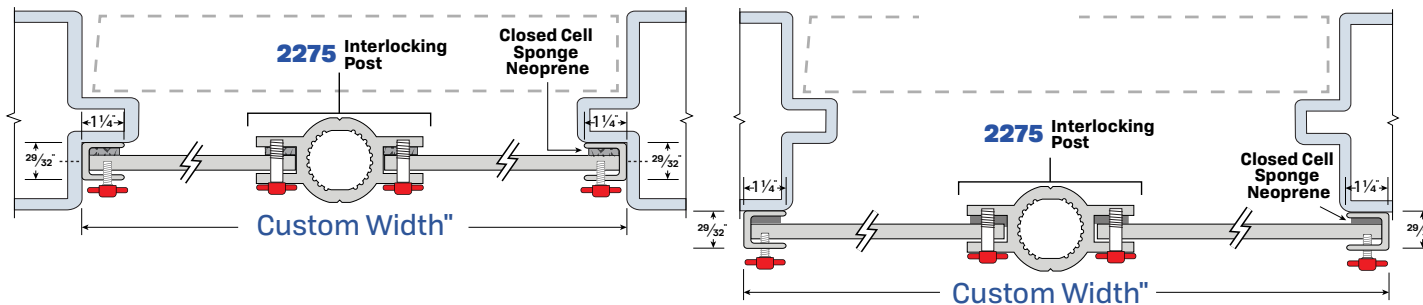
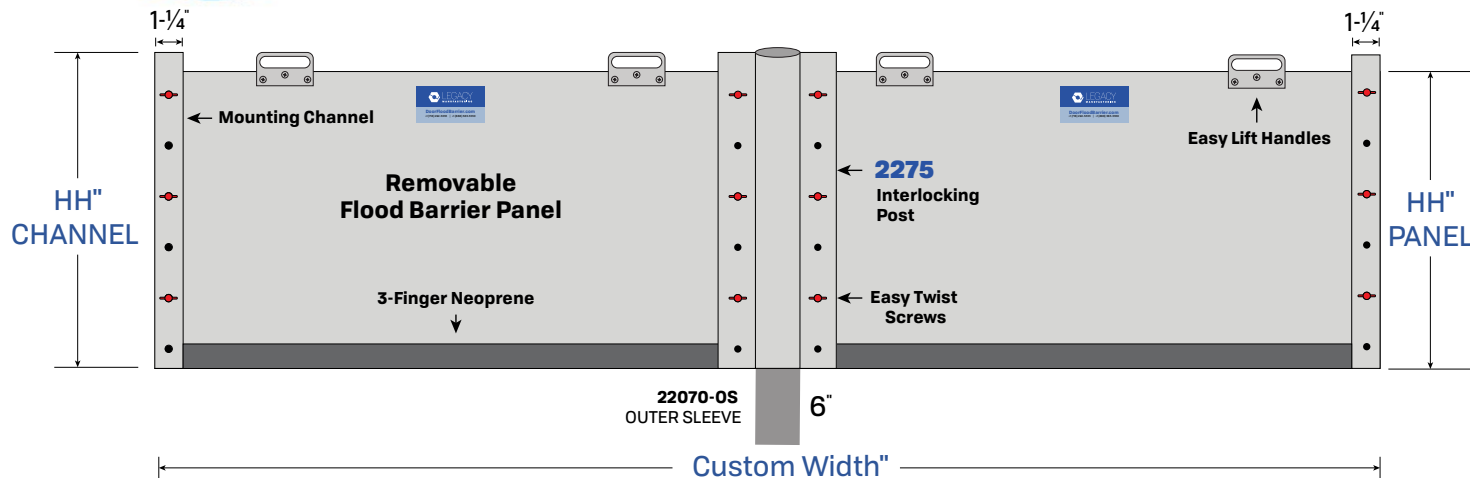
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Oversized Flood Barrier Product Specs



PANEL: 5052 type Marine-grade Aluminum Alloy

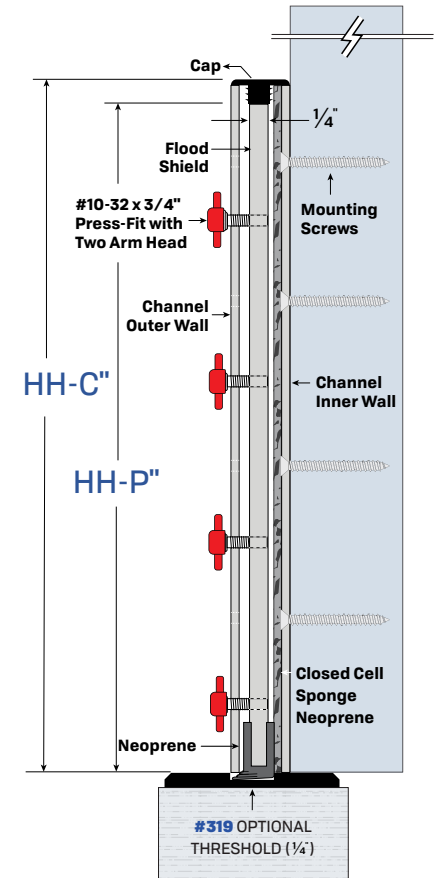
INSIDE MOUNTED FRAMES: 1-1/4" x 29/32" x 1/8" aluminum extrusion 6062 alloy T5-T6, with 10-32 stainless steel allen head tightening. Black anodized channels are also available if specified.

OUTSIDE MOUNTED FRAMES: 1-1/4" x 29/32" x 1/8" aluminum extrusion 6062 alloy T5-T6, with 10-32 stainless steel allen head tightening. Black anodized channels are also available if specified.

SEALS: Neoprene lines the bottom of the shield. Sponge Rubber lines the channels. Our seals are composed of high-density rubber extrusions for increased strength with a low hardness that provides superior compression.

HARDWARE: #10 x 1-1/4" FHPH with plastic expansion tube anchors.

Snap covers for safety provided for the top of the channels and for the



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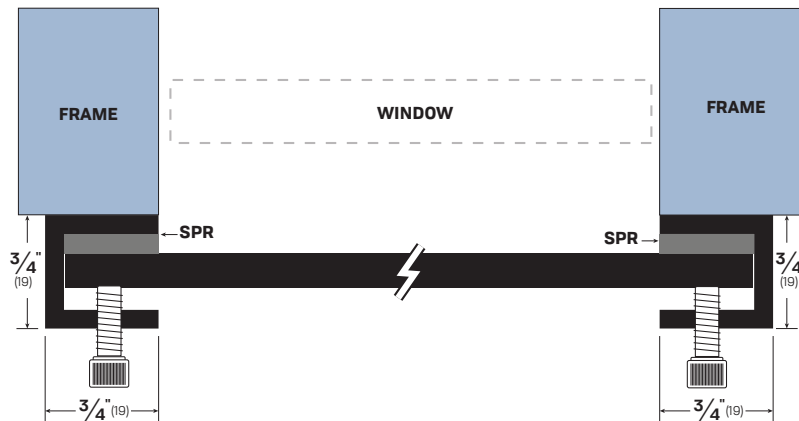
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Window Flood Barrier Product Specs



MATERIALS / SPECIFICATIONS

- 3/4" x 3/4" x 1/4" channel aluminum extrusion
- 2" x 1/4" aluminum bracket
- Threaded insert 10 x 32 x 7/8" inside thread, stainless steel
- #10 Stainless steel washer
- Close call sponge compressive EPDM with pressure sensitive water resistant tape.
- 10-32 x 3/8" internal hex socket cap head screws
- 3.1 lbs. per square foot





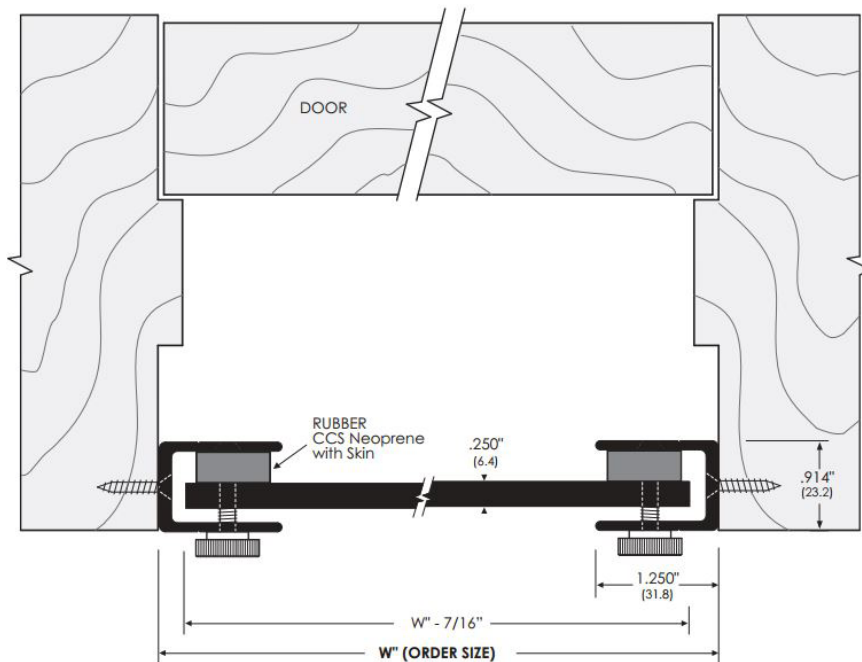
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Flood Barrier Mounting Options

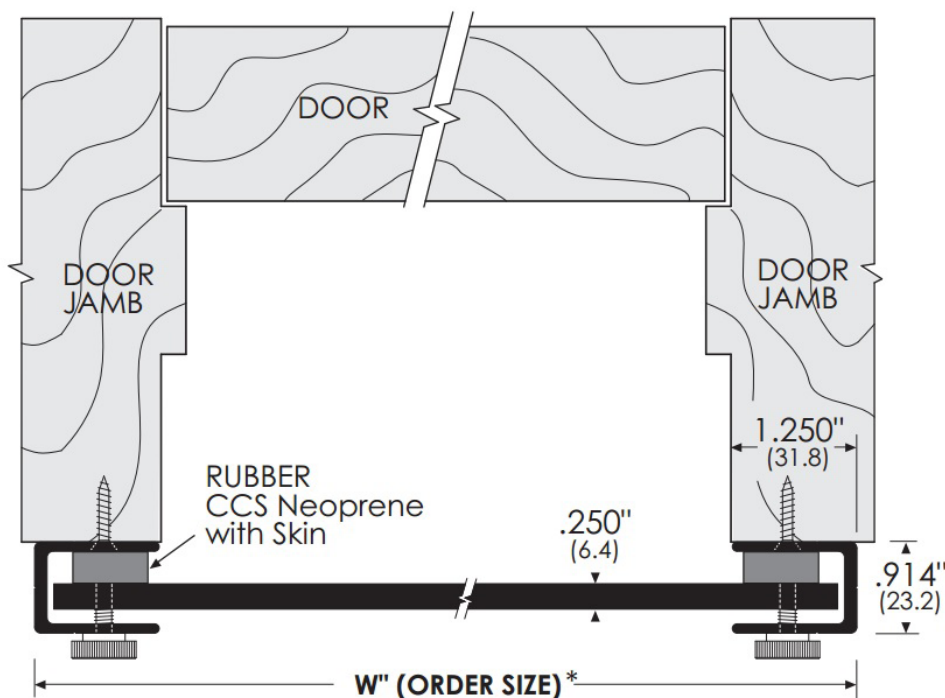
INSIDE MOUNT

Aluminum panel insert is supplied approx 1/2" shorter than order size for both Inside and Outside Mount



OUTSIDE MOUNT

Outside Mount should be a minimum of 3" larger than opening



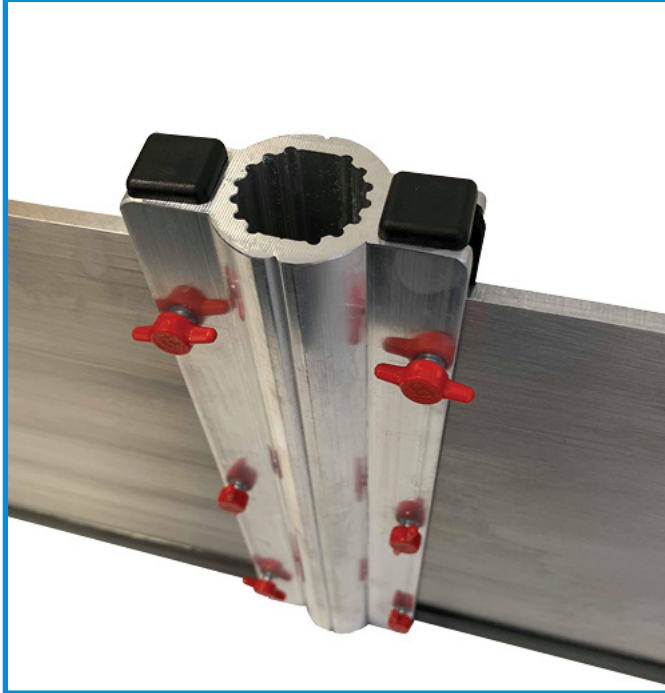


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Bar Clamp Types For Oversized Flood Barriers

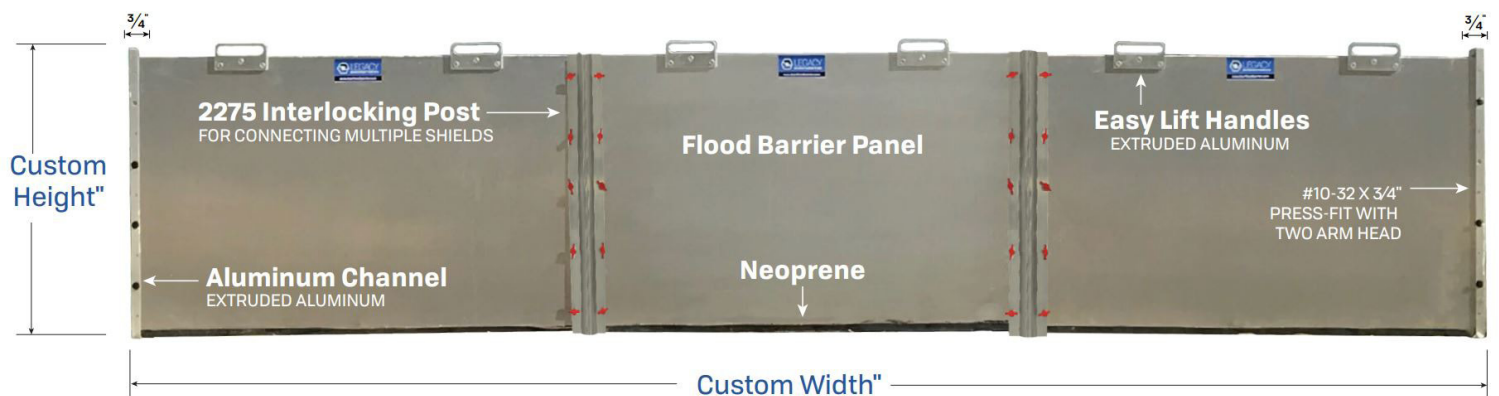
STANDARD BAR CLAMP #2275



SUPPORT BAR CLAMP #2277



MUST BE USED
WITH SUPPORT
SLEEVE:



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HYDRO-STATIC FORCES/PLATE (LB/SQ. FT)

INCHES	12	18	24	30	36	42	48	54	60
12	46.81	70.21	124.80	195.03	280.85	382.26	499.28	631.90	780.13
18	70.215	105.315	187.20	292.545	421.275	573.39	748.92	947.85	1170.195
24	93.62	140.42	249.60	390.06	561.70	754.52	998.56	1263.8	1560.26
30	117.025	175.525	312	487.575	702.125	955.65	1248.20	1579.75	1950.325
36	140.43	210.63	374.4	585.09	842.55	1146.78	1497.84	1825.70	2340.39
42	163.835	245.735	436.8	682.605	982.975	1337.91	1747.48	2211.65	2730.455
48	187.24	280.84	499.20	780.12	1123.4	1529.04	1997.12	2527.6	3120.52
54	210.645	315.945	561.6	877.635	1263.825	1720.17	2246.76	2843.55	3510.585
60	234.05	351.05	624	975.15	1404.25	1911.3	2496.4	3159.5	3900.65

HYDRO-STATIC FORCE AT CENTER (LB/SQ. FT)

