

Flood Shields

What are Flood Shields?

Flood shields are temporary barriers that can be placed across any opening in an exterior wall (door, window or vent) to create a water tight barrier.

These barriers typically take the form of a swing gate or removable panels that can slide in and out of a frame installed around an exterior door frame.

Where can they be installed?

Flood shields are ideally suited for primary building entrances located below the high water level. Flood shields can also be installed on interior building doorways to protect critical infrastructure located within an interior space.

During dry conditions, the gate would be in the open position and panels would be removed and would not impact accessibility at the entrance.

What else should you know about Flood Shields?

Flood shields need to be put in place (i.e. gates closed or panels mounted to create the barrier) by building occupants before floodwater reaches the building.

This typically requires the building to have an Emergency Management Plan in place which provides instructions on how and when to mount the flood shields. Regular training on how to operate the barriers is also required for building occupants.

This technique is only effective if all other openings into the building or interior room are above the predicted high water level and/or protected by other techniques. It also requires the building walls to be structurally sound and able to withstand the force of water at the high water level.

Cost Range

Up to \$2000 per entrance or opening, depending on the type and size of opening to be protected.

What type of protection do they provide?

Flood shields provide Active Dry Protection



Aluminum flood shield used on exterior door

(source: fema.gov)