

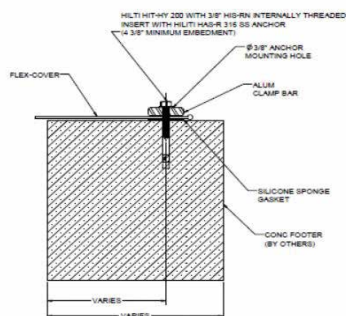
Flex-Cover® Grate



The ILC Dover Flex-Cover® Grate System is an economical and reliable method of dry flood protection. The perimeter clamped Flex-Cover is a highly durable coated fabric cover that can be deployed rapidly for flood protection on horizontal ground or vertical building openings with grated covers or access panels in place. It can be built to withstand any water depth and shaped to fit any opening configuration. The cover is light weight to easily accommodate being stored and transported. The Flex-Cover Grate is simple to install and remove by a single person within minutes, even in high winds. The Flex-Cover can also be adapted for use on vertical ventilation shaft covers or louvers by bolting into the surround. Standard and custom configurations are available.



Clamp Bar



TYPICAL FLEX-COVER ATTACHMENT SECTION

Typical Installation Cross Section

FEATURES AND BENEFITS

- **Simple operation**— Lightweight, requires very little training to install or remove it quickly
- **Scalable design** - Sized to specific needs and codes
- **Compact storage** — Low profile; store remote, in nearby building or optional point-of-use storage container
- **Robust materials and construction** — Reliable protection from water, waves and wind

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OPERATION

The Flex-Cover® Grate System is deployed by placing it over the grated or covered opening where Hilti, or similar, anchors have been pre-installed in the perimeter of the area to be sealed. Next, the bolts in the anchors are removed (left in place when the Flex-Cover® Grate System is not in use to prevent dirt from clogging the anchor when needed), the cover edges are positioned on the perimeter of the surrounding surface outside the opening, the Clamp Bars are positioned over the factory made through holes on the cover, and the bolts are reinstalled in order to clamp the cover in place.

The System's compact nature of flexible barrier and Clamp Bars facilitates its ability to be stored remotely in a small area and easily unfurled for rapid installation. It is simple to operate and once at the site can be deployed in minutes. For example, a 3 foot by 3 foot cover can be deployed in 10 minutes by one person.

SYSTEM COMPONENTS

Fabric Barrier — Water repelling layer

- PVC coated polyester

Ground Clamp — Clamps barrier to concrete

- Aluminum or Steel

Gaskets— Sealing interface to concrete

- Silicone flat gasket, size dependent on site requirements



Typical perimeter concrete installation



Typical shipping container serves as the storage container

CONFIGURATION OPTIONS

Horizontal Ventilation Grates, Emergency Escape Hatches at Grade

- Fabric Cover
- Clamp Bars
- Manually deployed

Vertical Ventilation Grates, Openings on Buildings or Walls

- Fabric Cover
- Clamp Bar
- Manually deployed

Standard and Custom Shapes

- Square and Rectangle
- "T" or off-set
- Round
- Other custom shapes

Storage Container

- Optional container to stow components



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