## How-To Guide:

# DIY Basement Waterproofing

## Why Your Basement Leaks?

Basements that leak water in through the joint where the floor and wall meet after a rain or snow melt are considered to be the most common wet basements.

More than 90 percent of wet basements leak water from the joint where the floor and wall meet

Most basements rarely leak water up through the floor. Surface water collects and builds up in the pocket around the foundation causing hydrostatic pressure. Water then is forced through the joint where the floor and wall meet.

## How-to Determine the Source of Basement Water:

To determine whether the water is seeping in from the outside or condensing inside, tape a 12-inch

What You Need:

Tape

Aluminum foil

square of aluminum foil to a wall that is prone to dampness, sealing all four sides as airtight as possible.

In a day or two, examine the foil square. If the side of the foil that is against the wall is wet, the problem is seepage. If the outside is wet, your basement water is condensation.



### Preventative Tips for Leaky Basements:

- Slope the ground away from the outside foundation, about 1-inch per foot. Extend the slope for at least 10 feet.
- Install gutters and downspouts around your home. Check gutter system for debris or clogs.
- Consider a dehumidifier to lower moisture levels.
- Repair leaky plumbing promptly.

- Protect basement window from heavy storms using metal or masonry window wells, with gravel bottoms to permit drainage.
- Promote good ventilation, regulated according to the weather conditions.
- Trim heave growths of shrubbery allowing the soil to absorb more sunlight.
- Insulate existing water pipes.

## How-to Fix Your Wet Basement

DIY SquidGee Dry™ System





#### SquidGee PryTM System offers

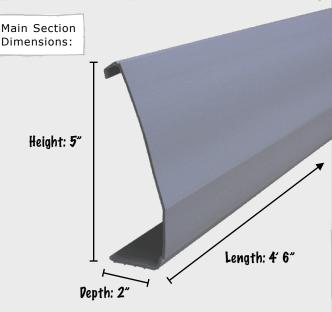
homeowners quality construction, superior performance and the opportunity to turn their wet basements into additional living space - at just a fraction of the cost of ordinary contractor installed drain tile systems and without busting up their basement floor!



#### Pependable & Affordable!

The SquidGee  $Dry^{TM}$  System is the dependable and affordable way to dry up wet basements. More than 40 years of proven performance - with more than 7,000,000 feet of our baseboard-style system now in use!

Simply install the SquidGee Dry™ Main Sections along the perimeter of your wet, leaky basement using our SealOnce™ Adhesive. The SealOnce™ Adhesive is formulated to bond water-tight in wet or dry conditions!

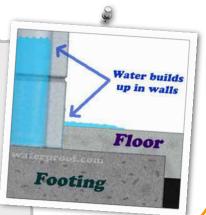


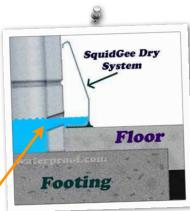
Waterproof.com 1-800-828-2947

#### How does the water drain?

Water being fluid is self-leveling. Once the water level has reached above any imperfections in the basement floor, it will naturally find the lowest point in the basement, which is a sump pit or floor drain. Once the water has drained away, any water left in the low points around the basement will exit out through the **weep holes**. There will be no standing water for any length of time behind the system.

The SquidGee Dry™ System is made of solid PVC plastic, the same material as household water pipes. The material will not support Mold growth. It is important to note our product is in no way a remedy to mold.





#### **Prilling Weep Holes**

● 5/8 Inch Hole

**Block wall foundations** have hollow cells that fill with water, which creates hydrostatic pressure. Tapping holes in each main cell will keep water from building up into hydrostatic pressure. With the SquidGee Dry™ System it's not necessary to drill every cell available.

**Poured wall foundations** do not have hollow cells, therefore, there is no need to tap holes into the wall.

## **PIY Sump Pump System**

Most building codes require draining basement water control systems to a sump pump. A quality pump is truly the heart of any basement waterproofing system, quietly collecting water seepage year after year.

We offer the best pump system on the market, starting with the rugged structural foam basin and bolt down gas tight cover. We chose the Zoeller<sup>TM</sup> M-53 1/3hp submersible pump for this package. The Zoeller<sup>TM</sup> M-53 has been the #1 choice of professional waterproofers for more than 20 years. Also in this package is the Flo<sup>TM</sup> 1-1/2" check valve.

#### **PIY Sump Pump Kit Includes:**



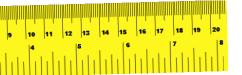
- Rugged foam basin
- Gas-tight lid
- Check valve
- ✓ Zoeller M53 1/3HP sump pump
- Step-by-step installation guide

You can drain the system into a sump pump or directly into your basement floor drain...

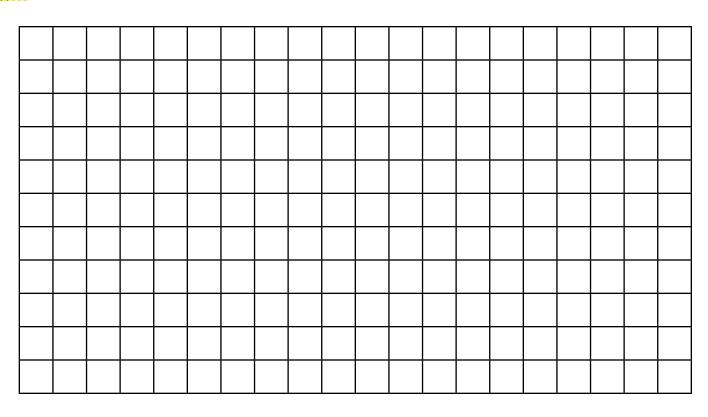
- 1. Pick up a round PVC pipe from your local hardware center
- 2. Rip the round PVC pipe lengthwise (creating a crescent shape)
- 3. Glue the half-round shaped PVC pipe to the floor, directing the water

from the opening in the system into the top of the floor drain or sump pump.

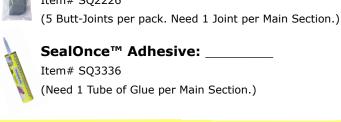




## Measuring Your Basement:



Length of East Wall:	ft T	Inside Corners: Item# SQ5556
	ft	Outside Corners: Item# SQ8886
Total Feet:	ft	End Caps: Item# SQ1116 (Used to Dead-End the System)
Divide Total Feet by 4.5 to give you the Total Number of Main Sections needed for your basement project:		Packs of Butt-Joints: Item# SQ2226
Main Sections:	(5 Butt-Joints per pack. Need 1	





► Item# SQ4446

Order the SquidGee Dry<sup>1M</sup> System!
Waterproof.com or 1-800-828-2947

## Cleaning Up Your Basement After a Flood



#### How and when to pump the water out?

Do not drain water inside the basement until most of the water on the outside of the walls has gone down. This will prevent the walls from being pushed in or the floors from heaving.

If you have a large amount of water in your basement or if there is not a basement drain, rent a sump pump to remove water. If your electrical panel is located in an area of your home that is flooded, you will be unable to use an electric sump pump. Instead use a gasoline engine and exhaust properly.

Start pumping water out of your basement if the water inside is higher than the flood level outside. You may need to measure to determine this. Stop pumping when the two water levels become equal. Pump the basement water out at the same rate at which the flood waters recede.

#### How should you clean your basement?

Shovel mud from the basement as soon as all water has drained or pumped out to allow floors and walls to dry. Remove silt and dirt stains by rinsing concrete walls and foundation with a high pressure hose. If stubborn stains, use a stiff bristle brush and household detergent.

Start drying the basement quickly to minimize wood decay and mold growth by opening doors and windows. Buy or rent a fan or dehumidifier to speed up drying process.

#### How-To Remove Musty Basement Smell:

If ventilation does not remove odors, try this simple handyman tip...

- Mop concrete floor and walls with a bleach solution: 3/4 cups of household bleach to a gallon of water.
- Rinse and dry after 5 minutes.
- Open windows when applying the bleach solution.
- Place a lump of dry charcoal in an open tin/metal container to absorb odors.



#### Basement Wall Crack Fix:

#### What You Need:

- 1 tube of Marine GOOP™
- 1-1/2" Putty knife
- Cylindar drill attachment to clean surface
- Air hose or can of pressured air



- 1. Clean the surface with drill attachment to loosely nick away at the concrete.
- 2. Blow surface clean with air hose
- 3. With a dry surface, squeeze a thick bead of Marine GOOP™ along the crack. Quickly follow with putty knife, allowing a 1/4" thick ribbon of GOOP™ over the wall crack.
- The next day, most of the GOOP™ will absorb into the wall, leaving a tough 1/8" thick ribbon of GOOP™ in the wall crack.



## Order the SquidGee Dry™ System!

Waterproof.com or 1-800-828-2947

## **Drying Up Wet Basements Since 1965!**

About Waterproof.com LLC



Ken Cotten installing our first generation basement waterproofing system.

October 1965, Robert L. Cotten filed for a patent on his Beaver Basement Water Control System. In October 1967, Patent 3,344,569 was granted. By 1977, Bob Cotten developed a national network of contracted installers of his Beaver Basement Water Control Systems.

Today, Waterproof.com LLC is a thriving family-owned and operated basement waterproofing company. Now in its third generation, Waterproof.com LLC is reinventing the waterproofing industry with their Do-It-Yourself basement waterproofing system (SquidGee Dry™) and several exclusive contractor-grade basement waterproofing systems.

Waterproof.com LLC designs, manufactures, and distributes state-of-the-art basement waterproofing products based in St. Paul, Minnesota. There is over 7,000,000 feet of our baseboard-style systems installed across the United States and Canada!

Notes:				