



Temporary Flood Barrier Resource List

Introduction to the Home Flood Protection Program

The Home Flood Protection Program is an educational program designed to help homeowners reduce their risk of basement flooding and minimize damage if flooding occurs. The program is delivered by the Intact Centre on Climate Adaptation (ICCA) at the University of Waterloo in Waterloo, Ontario.

Introduction to the Temporary Flood Barriers Resource List

This resource list has been developed to help homeowners understand what types of temporary flood barriers are available to help them protect their homes from water flowing over the surface over the land (overland flow) during flood events. These products are generally expected to be removed when conditions no longer present a flood risk to the home. This resource list also provides a sampling of products and suppliers to use as a starting place to address the specific needs of interested homeowners.

Introduction to Types of Temporary Flood Barriers

This section provides general information about the main types of temporary flood barriers on the market, how they are used, how you can purchase them and their typical price range. For information specific to your project, please consult with individual suppliers.

Sandless Sandbags: These are fabric type bags that are filled with materials that expand with water. They are stackable and can be used in smaller areas like doorways and around window wells. They are designed for one time use. This product can be purchased online and some brands are available in major hardware stores. Each bag is typically \$3-\$30 each.

Plastic Tubing: These are plastic tubes available in many different lengths and heights that fill with air or water. The tubes can be laid out to surround a home or create a barrier from an adjacent water source. This type of product is designed to be used multiple times.



This type of product can typically be purchased online and some brands are available in major hardware stores. Prices vary greatly, depending on the size and scale of application, and may range from hundreds to thousands of dollars.

Molded Plastic Blocks and Panels: This type of barrier is made of formed plastic blocks or panels that fit together to form a wall. The blocks or panels fill with flood water. They can fit into an entranceway, surround a home or create a barrier to an adjacent water source. This type of product is designed for use multiple times. These products typically require custom design and installation and are not available at major hardware stores. Prices vary greatly, depending on the size and scale of application, and may range from hundreds to thousands of dollars.

Flat Panel Walls: These walls are made of steel or aluminum panels. They can surround a home or create a barrier from an adjacent water source. Hydraulic flood barriers can be custom made to fit entranceways and have push button automatic opening operation. This type of product is designed to be used multiple times. These products typically require custom design and installation and are not available at major hardware stores. Prices vary greatly, depending on the size and scale of application, and may range from thousands to hundreds of thousands of dollars.

Help us improve the Resource List

We welcome your input! If there is a business that you would like to see added, please share it with us. All requests can be directed to Janet Szydowski, Home Flood Protection Program Assistant at floodprotect.info@uwaterloo.ca

Please note: The Intact Centre on Climate Adaptation is providing this list of flood barrier products and suppliers for the convenience of interested homeowners only. The Intact Centre on Climate Adaptation is in no way providing advice of any kind and does not endorse any of the companies identified below.



Temporary Flood Barriers for Windows and Entrancesways

Temporary Flood Barrier Type	Company Name	Contact	Height Range
Sandless Sandbag	Alibaba.com	alibaba.com	15 cm (6")
Sandless Sandbags	ICE Canada	icecanada.org 1-587434-0384	15 cm (6")
Sandless Sandbags	Water Damage Defense	waterdamagedefense.com 1-800-318-4159	15 cm (6")
Molded Plastic Blocks & Panels	Barrier Solutions	floodstopbarrier.ca 1-613-324-0434	60 - 90 cm (24" - 36")
Flat Panel Walls	Flood Control Canada	floodcontrolcanada.com 1-800-756-8027	30 cm – 4 m (12"- 13')
Flat Panel Walls	PS Flood Barriers	psdoors.com 1-877-446-1519	Custom Heights
Flat Panel Walls	Zero International	zerointernational.com 1-877-671-7011	25 cm - 90 cm (10"- 36")
Sandless Sandbags, Plastic Tubing, Flat Panel Walls	Quick Dam	quickdams.com 1-888-761-4405	6 cm- 1.5 m (2.5"- 60")

Temporary Property Level Flood Barriers

Temporary Flood Barrier Type	Company Name	Contact	Height Range
Plastic Tubing	Engineered Performance Environmental	engperfenviro.com 1-306-653-4328	45 cm – 2.5 m (18" - 8')
Plastic Tubing	Flood Block	flood-block.com 1-631-285-3069	1 m – 1.5 m (3'6" - 5')
Plastic Tubing	Layfield Environmental	layfieldgroup.com 1-604-275-5588	90cm (36")
Plastic Tubing	Rapid Barrier Systems Inc	rapidbarrier.ca 1-403-710-9195	30 cm – 90 cm (12" - 3')
Plastic Tubing	Tiger Dam	usfloodcontrol.com 1-403-512-6909	50 cm – 1 m (19" - 42")
Plastic Tubing	Watergate-Megasecur	megasecur.com 1-888-756-0222	15 cm – 2 m (6" - 78")
Molded Plastic Blocks & Panels	Barrier Solutions	floodstopbarrier.ca 1-613-324-0434	60 cm – 90 cm (24" - 36")
Molded Plastic Blocks & Panels	Muscle Wall	musclewall.com 1-800-801-8739	15 cm - 2.5 m (6" - 8')
Flat Panel Walls	Flood Control Canada	floodcontrolcanada.com 1-800-756-8027	30 cm - 4 m (12" - 13')
Flat Panel Walls	PS Flood Barriers	psdoors.com 1-877-446-1519	Custom Heights