

1. Product Description

AquaDam® uses available flood waters to create an impermeable barrier to protect against flooding. AquaDam® tubes are 10 times faster to install than sandbags dikes and take far fewer people. This allows emergency response officials to concentrate volunteers on high visibility areas while using AquaDams to protect large areas from flooding. AquaDams are typically 25% cheaper than the cost of a similar sandbag dike. AquaDams are also inexpensive to remove and the dams can be drained and stored for reuse. The AquaDam® flood control dam is 3 ft (0.9m) high and can hold back 28" (0.7m) of flood water. It is estimated that 75% of flood damage is caused by less than 12" (300 mm) of water making AquaDam® flood control dams an effective tool for your emergency response team. For best results, an accurate prediction of the flood crest should be available.

Looking for pricing information for this product?

www.pcspumps.com

2. Technical Data

Materials information is on page 2.

3. Installation

AquaDams use a source of available water to fill an impermeable tube. The starting point of an AquaDam® needs to be higher than the highest anticipated fill level in the dam. Fill the AquaDam® with water filling both tubes evenly at the same time. Once the tube is filled secure the ends of the fill tubes. To add an additional AquaDam® slide the second dam into the collar of the first and cut slits in the collar top to pull up the second tube. Fill the second tube from above the collar. Once the flood is over pull the fill tubes off the starting point to spill the water out. Drain the dams thoroughly and inspect. A leaf blower can be used to inflate the dams for inspection. Roll the dams back up onto the cores they came on. Tie with rope and package appropriately for reuse.



AquaDam® Flood Control

4. Availability and Cost

Available from Layfield or distributors.

Call 319-472-4082

5. Manufactured By

Layfield USA Corp.

Layfield Canada Ltd.

6. Warranty

Products sold will meet Layfield's published specifications at time of sale. Full warranty details are available from Layfield.

7. Maintenance

Aqua Dams are intended for short term project use only and no specific maintenance is required during use. If the Aqua Dam is to be reused then it should be inspected after use by inflating it with air. Any defects found can be repaired with special Aqua Dam tapes which are available from Layfield.

8. Filing Systems

9. What's Unique

AquaDam® is a unique product that uses a source of available water to hold back and control floods. The one thing that is readily available in a flood is water and we take advantage of this material to build sturdy dikes with the AquaDam® tubes. AquaDams can be deployed very quickly with usually only two people and a pump. This allows a large number of dams to be placed very quickly with limited resources. Sandbag dikes are often placed by volunteers and finding sufficient volunteers for a large flood (or a long duration flood) is often difficult. AquaDams allow you to protect a large amount of property very quickly with only a few people.



The speed and convenience of flood control AquaDams allow emergency response officials to rapidly protect large areas from a flood with minimum effort. AquaDams are easy to store and are reusable. Flood control AquaDams are a special size that can be made much faster than a regular Aqua Dam. This special size can be rushed through manufacture to get to your site in a hurry. Normally we recommend that flood control dams be purchased in advance for areas at risk of flooding, however, we can make certain sizes of dams on short notice.

AquaDams for flood control are considerably cheaper than an equivalent dike built with sandbags. It typically takes 5 people 4 hours to build a 100 ft long sandbag dike. A similar sized AquaDam® can be installed by 2 people in 20 minutes. The AquaDam® is at least 10 times faster to install. The cost of the AquaDam® is only about 25% of the cost of building a similar sandbag dike (assuming you pay people to build the dike). This cost does not include the time needed to fill sandbags which is often an extra cost - and more importantly, it doesn't include the cost to remove sandbags after a flood. Removal of sandbags after a flood is often nearly equal to the cost of installation and is almost never done by volunteers. The cleanup cost is nearly always borne by the emergency response authority or the local municipality and includes removing the sandbags, transportation and disposal costs, and the repair of any damage caused by equipment during removal. AquaDam® flood control dams are substantially less expensive than sandbags for both installation and removal.