

WATERBRICK[®]

INTERNATIONAL

Product Brochure



**Award Winning
Product**
By the Society of
Plastic Engineers





Unique Application to Store Water and Food

For Short or Long Term Storage or Disaster Preparedness



WaterBrick can be used in any room efficiently, safely and easily to maximize limited space. The picture to the right illustrates 12 WaterBricks holding a total of either 42 gallons (159 liters) of liquid or 324 pounds of food in less than 3 and a 1/2 square feet of space.

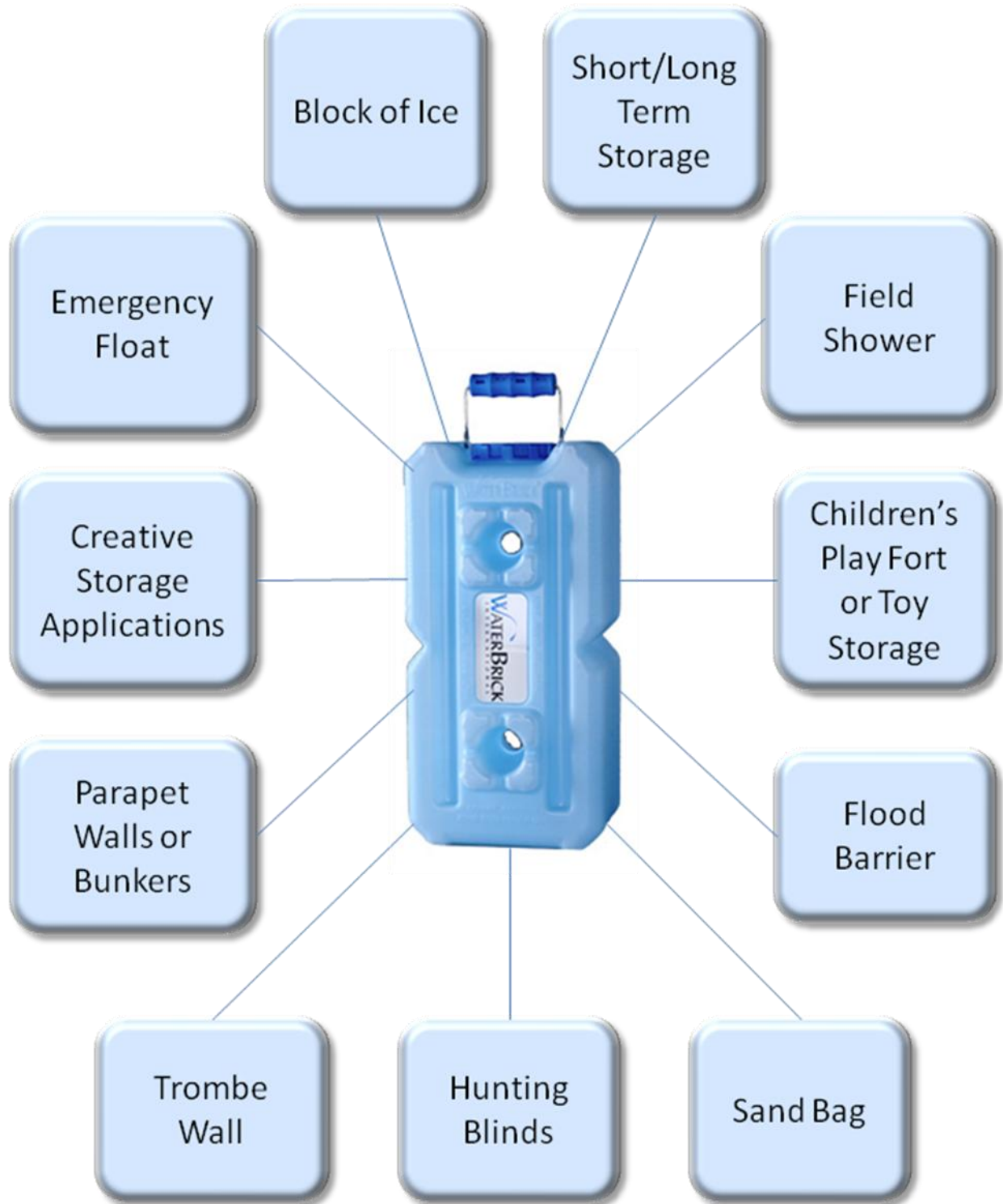
For Trail Riding on an ATV or Camping



The picture on the left illustrates a bungee cord strapped through the center interior posts of the WaterBrick and onto the back of an ATV to carry water or other supplies securely and safely.

WaterBrick is designed to easily handle and store efficiently with its patented interlocking design for secure storage.

Product Uses



Product Uses

Specific Uses	Description
Short or Long Term Storage	<p>Store water and food for:</p> <ul style="list-style-type: none"> ○ 72 hour emergency grab and go kit ○ Camping – minimizes food odor discharge so animals not attracted and minimizes animal invasion due to durable HDPE plastic ○ Boating or Other Outdoor Activities ○ Insert Bungee Cord thru center posts to strap to an ATV or other vehicle
Block of Ice	<p>Fill two-thirds with water & freeze:</p> <ul style="list-style-type: none"> ○ Camping, Boating or Other Outdoor Activities ○ Preceding a storm, use to minimize food spoilage in fridge and keep medications cold
Store Product to keep dry in case of a flood	<ul style="list-style-type: none"> ○ Ammo ○ Paint Balls or Air Soft Pellets
Efficient Organized Storage	<ul style="list-style-type: none"> ○ Stacks like a cube to eliminate wasted space <ul style="list-style-type: none"> ○ For further stability, insert a PVC pipe down the center posts
Parapet Walls or Bunkers	<ul style="list-style-type: none"> ○ Paint Ball or Air Soft courses – easy to change from one day to another to add new challenges for advanced groups ○ Military – can airdrop into combat zones to deliver needed supplies but reuse for bunkers
Hunting Blinds	<ul style="list-style-type: none"> ○ Whether temporary or permanent, they can easily anchor in the ground and are easy to move
Flood barrier	<ul style="list-style-type: none"> ○ Fill with water so no need to deliver sand and easier to clean up; just dump out water ○ Then reuse for something else versus sand bags that get put in a land fill
Trombe Wall	<p>Fill with water that heats in the sun and radiates the heat into your home for warmth during cooler nights</p>
Creative Storage Applications	<p>Some examples:</p> <ul style="list-style-type: none"> ○ Coffee table or End table (while cross stacked) with a piece of glass on top and a table cloth to conceal the WaterBricks and its stored contents ○ Hide under beds or Stack up in closets
Children’s Play Fort or Toy Storage	<p>Use to build life size forts that can change as easily as your child’s imagination or stack and store small toys.</p>
Sand Bag	<p>Used for Shooter Houses or Military Applications</p> <ul style="list-style-type: none"> ○ Fill with Sand or Pea Gravel similar to how traditional sand bags are used. ○ WaterBricks are more effective because the plastic blunts the tip of the bullet and starts to fragment it before hitting the Sand or Pea Gravel inside.

Product Specifications



Product Specifications:

- Standard blue and tan for containers available; other colors available upon request
- Lid diameter is 3 ¼ inches
- Average wall thickness is approximately 3/32 of an inch (.090)

Standard Size WaterBrick

- 3.5 gallon container
- 9" Width, 18" Length, 6" Height
- Weight Empty – 2.52 pounds
- 140 can be cross stacked per pallet
- 53 foot truck holds 4,200 units

Half Size WaterBrick

- 1.6 gallon container
- 9" Width, 9" Length, 6" Height
- Weight Empty – 1.29 pounds
- 280 can be cross stacked per pallet
- 53 foot truck holds 8,400 units

Weight of Standard WaterBrick Filled With:

- Water 28 pounds
- Rice 27 pounds (264 adult servings)
- Beans 28 pounds
- Sugar 26 pounds
- Pet Food 18 pounds

Features and Benefits

Features	Benefits
Notched Lid with Full Gasket	Notched design allows for an easy to open lid while the heavy duty full gasket provides a tight seal
Wide Lid Opening	An average adult can easily reach in for stored contents
Carry Handle	Offers easy comfort especially when carrying long distances on foot and, if necessary, is easily detachable
HDPE Plastic Resin	FDA approved and BPA free
Ultra Violet Protectant	Non-bio degradable 15 year life or longer
Interlocking male & female components	For stability and easy stacking while in transit on a pallet and when used for consumer storage of water or food while offering a smaller foot print; thus saving storage space
Exterior textured and designed	Made to look like a real building block, rounded corners with texture & color to be aesthetically pleasing while showing like a finished product, all-in-one



Awards, Presentations, Publications and Certifications

Awards

- **Sustainable Part / Component Award and the Industrial / Military Award** in June 2009 from the 2009 International Plastics Design Competition hosted by the SPI Plastics Industry Trade Association. Plastic engineer, Daryl Damschoder, said that WaterBrick was “the most innovative use of HDPE plastic I’ve seen in the last 20 years”. Link at <http://www.plasticsdesign.org/Winners/content.cfm?ItemNumber=1740>.

Presentations

- **TEDx Peachtree** speech presentations in Atlanta:
 - December 2009 at <http://www.youtube.com/watch?v=pdjmrfcP9Wk>. Live in person and internet audience was over 700 people in 6 continents.
 - November 2010 Haiti update at http://www.youtube.com/watch?v=GIVh_YJ3Mb8

Publications

- **Rural Water Magazine** in the second quarter 2009 edition published an article featuring the uses of WaterBrick. To view this article, go to page 30 of the following link http://www.nrwa.org/publicweb/RWMag/2009/NRWQ_0209_final.pdf.
- **Plastic News** published two articles on WaterBrick. This first one in November 2009 at the link <http://plasticsnews.com/headlines2.html?id=09110900901&q=WaterBrick> and a second article in April 2010 regarding WaterBricks involvement with Dow Chemical at <http://plasticsnews.com/headlines2.html?id=18340&q=WaterBrick>.
- **Plastico** published an article in June 2009. It was in Spanish but introduced WaterBrick to the Latin countries in terms of its uses and overall humanitarian story. The story is at http://www.plastico.com/tp/secciones/TP/ES/MAIN/IN/ARTICULOS/doc_70222_HTML.html?idDocumento=70222.
- **Plastics Today** published an article on WaterBrick in September 2009 <http://www.plasticstoday.com/articles/waterbrick-international-brings-unique-container-market>.

Certifications / Professional Consultants

- **Wilson Structural Consultants, Inc.** verifies WaterBrick's integrity for use in structural building applications. Their letter is on the WaterBrick website under certifications and awards. This letter is a non-technical summary of the Ardaman & Associates report.
- **Ardaman & Associates, Inc** a Geotechnical, Environmental Materials Consulting firm issued their 18 page report that proved WaterBrick to be capable of withstanding the structural requirements to be used in building a range of facilities or stacking. Full 18 page report on WaterBrick website under certifications and awards.
- **Dow Chemical** has conducted numerous favorable tests. They have partnered with WaterBrick in Haiti with details in their press release at www.dow.com and site search WaterBrick. Contact Joe Loeffler at Dow Chemical for more information.
- **Custom-Pak, Inc** is WaterBricks’ manufacturing partner and there website is www.custom-pak.com. They have 208 blow mold machines and 775 employees.
- **Other Professional Consultants** at www.waterbrick.org under certifications / awards.
- **Other Engineering Testing** at Stanford University as a graduate level engineering project. Point of contact is Dr. Gill Masters, PhD.