



# Add Value



DECORATIVE PONDS NATURAL PONDS REFLECTION PONDS KOI PONDS WATER GARDENS STREAMS WATERFALLS PONDLESS WATER FEATURES



## IMAGINE YOUR HOME'S POTENTIAL

Today, more and more homeowners are looking at their yards and seeing an opportunity to expand their home living space. Professional landscape architects agree that a renovated outdoor living space enhances leisure time and adds value to a home – and ponds and water features are among the most requested landscape designs.

From tranquil ponds to bubbling springs to cascading waterfalls, water features not only turn your backyard into an oasis, they also add value and appeal to your home. And at the heart of thousands of decorative home water features are Firestone PondGard™ Rubber Liners. Combining flexibility and ease of installation with lasting durability, PondGard liners are the perfect choice for adding enjoyment and value to your backyard.

- Simple to install and repair – no special tools needed
- Safe for fish and plant life
- UV, weather and algae resistant
- Extreme conformability allows for endless design possibilities

Read over our tips for installing home water features and contact your local supplier or installer for help.



Add beauty and tranquility to  
your outdoor living space.



Easy



Experience Required

# Ponds

## LEVEL OF EFFORT

Contractor

Consumer

## What you'll need:

PondGard Rubber Liner, excavating tools, landscaping rocks, water-friendly vegetation, and a circulation system.

## Installation:

### Step 1: Visualize and Plan

Before you get started, it's important to visualize the best placement and shape of the pond. Using chalk, a water hose or surveyor's posts, outline the size and shape of your ideal pond to get a preview of the end result before you excavate. PondGard liners have the flexibility to fit nearly any shape, so the only limit is your imagination.

### Step 2: Excavate and Compact

Next, excavate the outline of the pond to the desired depth and compact the soil. Make sure all roots, rocks and other debris are removed from the pond bed.

### Step 3: Line with PondGard Rubber Liner

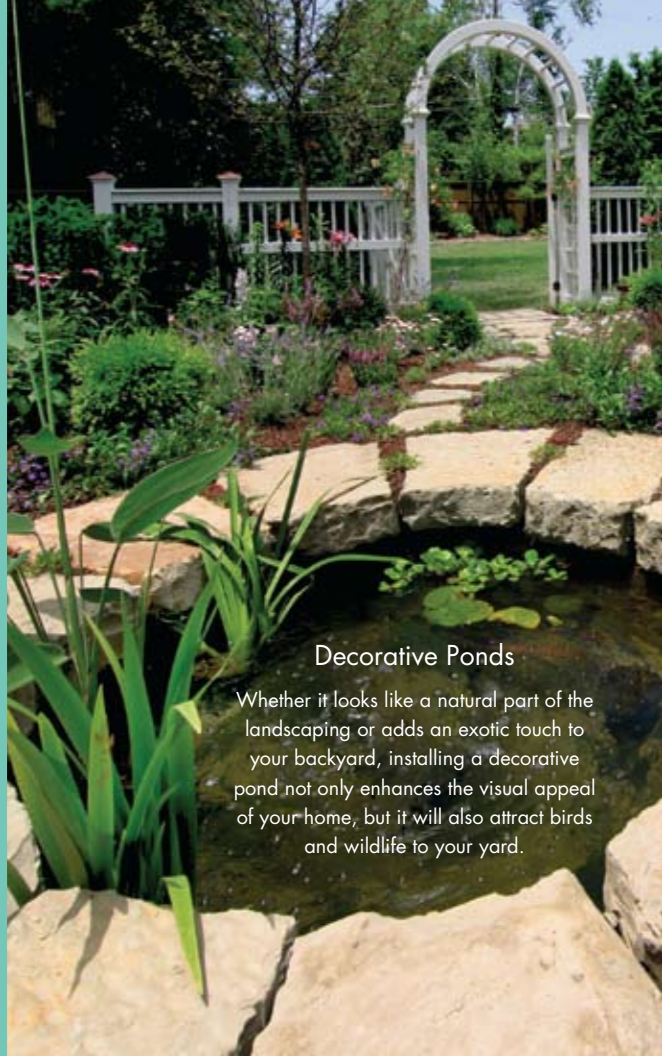
Line the pond basin with durable, flexible PondGard Rubber Liner. The liner will not only preserve water levels, but also protects against algae and allows for creative freedom when it comes to design. Install the circulation system – ask your local supplier for recommendations.

### Step 4: Add Vegetation

Add pond-friendly vegetation to finish off the look.

### Step 5: Fill and Enjoy

Finally, fill the pond and enjoy your new backyard oasis.



## Decorative Ponds

Whether it looks like a natural part of the landscaping or adds an exotic touch to your backyard, installing a decorative pond not only enhances the visual appeal of your home, but it will also attract birds and wildlife to your yard.



## Natural-Looking Ponds

You can easily sculpt a water feature to look like it was always a natural part of the landscape. It's important to use natural-looking stones from the local area and appropriate vegetation. Hint: Avoid symmetry in your pond design.



## Reflection Ponds

Not a lot of room in your yard? Try a reflection pond. Reflection ponds, which are derived from the ancient Greeks, are shallow ponds often encased in concrete or stone. Add aquatic plants for color to create a calm environment and attract wildlife.



## Koi Ponds

Koi ponds add a splash of color and life to your backyard. Choose the correct vegetation and environment for the Koi, and take the time to feed and take care of your new fish. When it comes to the size of the pond, Koi experts say bigger is better. Consult your Koi supplier for tips on introducing your Koi to their new environment.



## Water Gardens

A well-designed water garden provides a space for you to express yourself. They can take on a theme that says a lot about you and the style of your home while providing peace and tranquility.

# Streams

## LEVEL OF EFFORT

Contractor 

Consumer    

## What you'll need:

PondGard Rubber Liner, excavating tools, landscaping rocks, water-friendly vegetation, and a circulation system.

## Installation:

### Step 1: Visualize and Plan

When choosing your location, keep in mind that you'll need a nearby electrical source or enough light for a solar-powered water pump.

Hint: A sloped bank offers optimal water runoff.

### Step 2: Excavate and Compact

Next, excavate the outline of the stream and compact the soil. Make sure all roots, rocks and other debris are removed from the stream bed.

Hint: Multiple elevations add interest to any stream.

### Step 3: Line with PondGard Rubber Liner

Line the stream with durable, flexible PondGard Rubber Liner. The liner will preserve water levels and allow for creative freedom when it comes to design. Place river rock and boulders on the liner for a natural feel.

### Step 4: Install Pump

Install the electrical supply and place the pump in the lowest pond or body of water. Run the recirculation hose up to the highest pond and bury. For more detailed information, consult your local pond supplier.

### Step 5: Add Vegetation, Fill and Enjoy.

Fill the stream and enjoy the sound of gently running water.



Few things in life are more relaxing than the bubbling sound of a backyard stream.

# Waterfalls

## LEVEL OF EFFORT

Contractor  

Consumer     

## What you'll need:

PondGard Rubber Liner, excavating tools, landscaping rocks, water-friendly vegetation, and a circulation system.

## Installation:

### Step 1: Visualize and Plan

Visualize the desired location, size and shape of the waterfall. Remember, a sloped bank offers optimal water runoff. You can use a waterfall to connect two ponds or as an added element to a stream.

### Step 2: Excavate and Compact

Excavate the area, remove debris and compact the soil. Form an elevated area for the waterfall using excess soil. If there are multiple heights to the waterfall, steps should be made in the soil for each level. Add a spillway if the waterfall will flow into another body of water.

### Step 3: Line with PondGard Rubber Liner

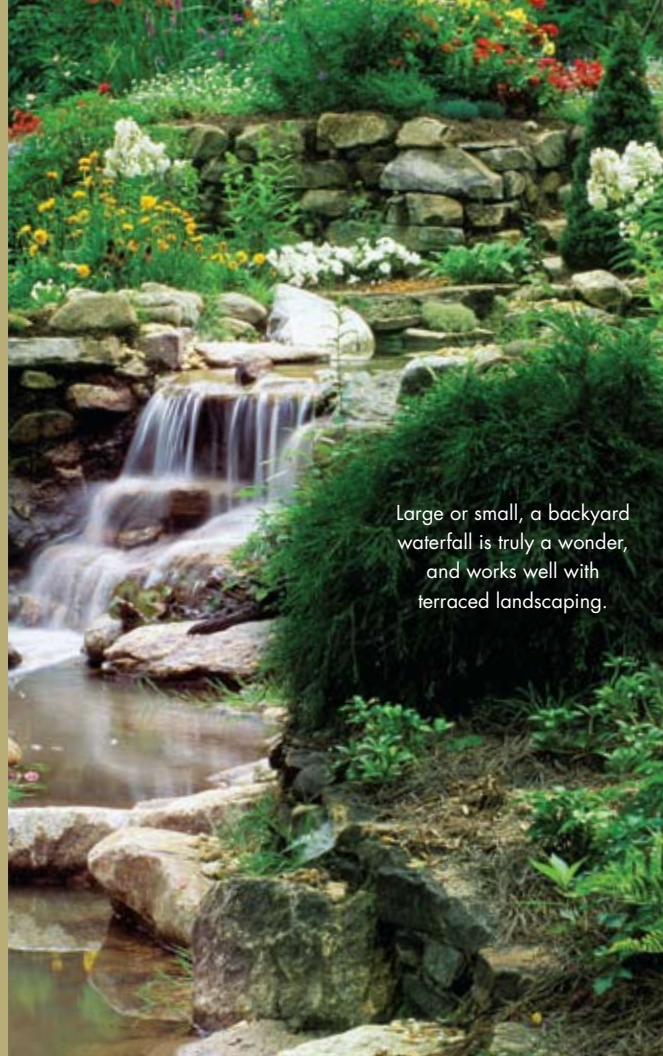
Use PondGard Rubber Liner to cover the excavated area. It should be secured under any stones or boulders in the spillway to prevent water loss. Hint: If using large boulders, a geotextile or salvage piece of liner provides additional puncture resistance.

### Step 4: Consult Your Local Supplier

Consult your local pond supplier to determine circulation requirements needed to account for elevation changes and desired waterfall volume.

### Step 5: Fill and Enjoy

Add water and enjoy your cascading water feature.



Large or small, a backyard waterfall is truly a wonder, and works well with terraced landscaping.

# Pondless Water Features

## LEVEL OF EFFORT

Contractor 

Consumer  

## What you'll need:

PondGard Rubber Liner, excavating tools, landscaping rocks, gravel for reservoir, and a circulation system.

## Installation:

### Step 1: Visualize and Plan

Choose a location that's visible from both inside and outside your home. Since pondless water features take up less space than other options, you can place them closer to the house. Hint: Avoid water loss by being aware of prevailing wind patterns.

### Step 2: Excavate and Compact

Excavate the water collection area, remove debris and compact the soil. Designate an area for the housing unit, which holds the pump to circulate the water, and excavate a few inches deeper. This difference in depth will allow water to be easily drawn into the pump.

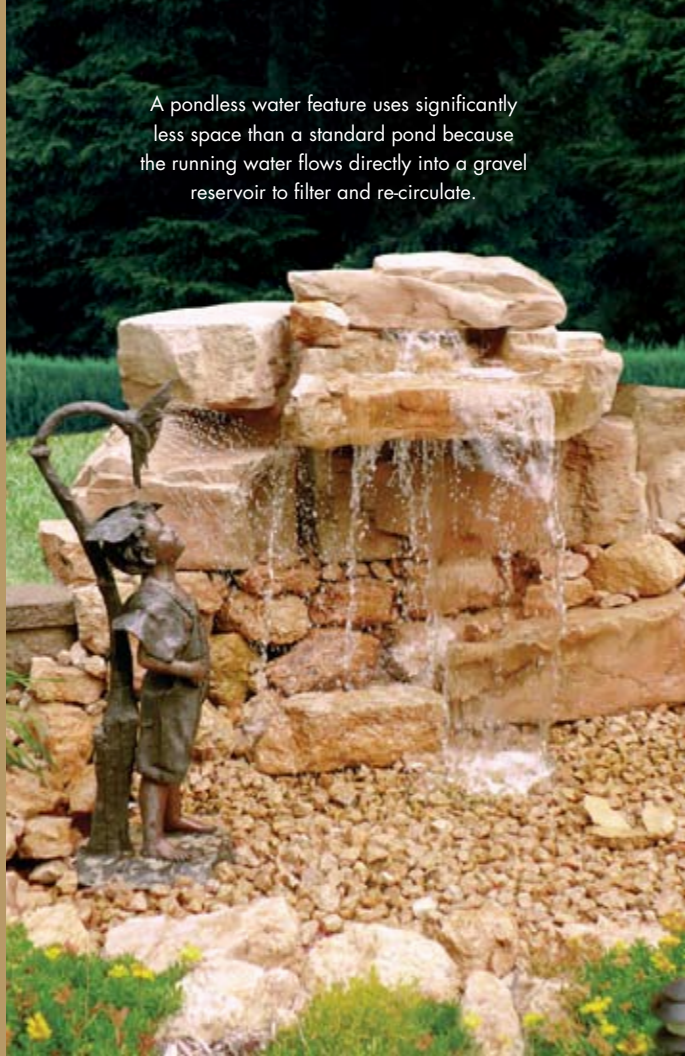
### Step 3: Line with PondGard Rubber Liner

Line the area with durable, flexible PondGard Rubber Liner. Install the electrical supply and place the pump in the housing unit. Line the feature with larger rocks first, followed by smaller rocks and gravel to fill in the gaps and provide sufficient drainage.

### Step 4: Fill and Enjoy

Start the water flow and enjoy your new pondless water feature.

A pondless water feature uses significantly less space than a standard pond because the running water flows directly into a gravel reservoir to filter and re-circulate.



# Rainwater Gardens

## LEVEL OF EFFORT

Contractor 🐟

Consumer 🐟🐟

## What you'll need:

PondGard Rubber Liner, excavating tools, sand or aggregate, and moisture-tolerant vegetation.

## Installation:

### Step 1: Visualize and Plan

A rainwater garden should be placed where water will drain into a dip or depression in the landscape and should be near sidewalks, driveways, downspouts or gutters to collect the rain where it falls. The garden should be at least 10 feet from your home so that water doesn't seep into the foundation.

### Step 2: Excavate

If your yard lacks a sufficient natural slope, you can dig your own depression. Create sloped edges on the sides of your garden to account for varying types of vegetation and their water tolerance.

### Step 3: Line with PondGard Rubber Liner

Cover the excavated area with a PondGard Rubber Liner to maximize stormwater retention. Place a 3"- 5" layer of sand or aggregate medium on top of the liner. Fill the rest of the hole with excavated soil.

### Step 4: Plant Vegetation

Plant indigenous, moisture-tolerant vegetation. Hint: Plants that can tolerate both wet and dry soil are best.

### Step 5: Enjoy

You can begin enjoying the benefits of your new sustainable garden with the next rainfall. Hint: This is a perfect project for your family.



By diverting water away from sidewalks, driveways and patios, rainwater gardens dramatically reduce the amount of contaminants soaking into the soil or stormwater system.

Start by measuring the pond's longest, widest and deepest dimensions in feet.

LENGTH

**A**

WIDTH

**B**

DEPTH

**C**

To calculate total width of liner needed:

LENGTH	<b>A</b>	<b>Plus</b>
2 x WIDTH	<b>2xB</b>	<b>Plus</b>
2 EXTRA FEET		
<b>Total Width =</b>		

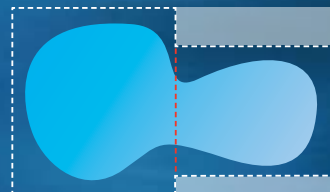
To calculate total length of liner needed:

LENGTH	<b>A</b>	<b>Plus</b>
2 x DEPTH	<b>2xC</b>	<b>Plus</b>
2 EXTRA FEET		
<b>Total Length =</b>		

When installing free form shapes, multiple panels can give you greater flexibility and save you money. As you can see, this multi-panel layout, orients along the longer dimension and uses less liner than a single panel would.

See the red dotted line where the multi-panel liner is seamed together. The seamed liner must extend above the water line, so it may be properly anchored. The white area indicates savings that offset some or all seaming expense.

For more detailed instructions and seaming videos, visit [www.firestonesp.com](http://www.firestonesp.com).



**QuickSeam™**  
**TAPE SEAMING KIT**

Fast, simple & easy to install.



With over 100 years in the tire business, the name Firestone is synonymous with quality and reliability. What might surprise some people is that Firestone extends those same traits to a variety of non-tire products. Firestone has been manufacturing high-quality, durable liners for the decorative water feature industry for over 20 years. Firestone Specialty Products, along with all Firestone subsidiaries, follows two guiding principles (1) serve our customers with superior quality products and (2) conservation is good for business and our communities.

Firestone Specialty Products follows these guiding principles by creating superior products in a manner that embraces careful and responsible management of natural resources and the environment. This means providing the highest quality products and customer service. We take great pride in earning and maintaining our customers' trust.

With this in mind, when it comes to creating your backyard oasis, select the brand you know and trust, Firestone Specialty Products – Leaders in Geomembrane and Lining.

LEADERS IN GEOMEMBRANE AND LINING

**Firestone**  
**SPECIALTY PRODUCTS**





LEADERS IN GEOMEMBRANE AND LINING

**Firestone**  
SPECIALTY PRODUCTS

For more information (800) 428-4442

[www.firestonesp.com](http://www.firestonesp.com) [info@firestonesp.com](mailto:info@firestonesp.com)

**Firestone**

