

POND CONSTRUCTION SUPPLIES



Firestone's PondGard

- EPDM-FM2,
45 Mil fish and plant safe liner.

Boxed Liners and Mini Rolls

Model #	Dimensions	Weight
FE1010	10' x 10'	30#
FE1015	10' x 15'	45#
FE1515	15' x 15'	68#
FE1520	15' x 20'	90#
FE1525	15' x 25'	113#
FE2020	20' x 20'	120#
FE2025	20' x 25'	150#
FE2525	25' x 25'	188#

Liner Rolls

Model #	Dimensions	Weight
F55100	5.5' x 100'	176#
F1050	10' x 50'	160#
F10100	10' x 100'	320#
F1550	15' x 50'	240#
F15100	15' x 100'	480#
F2050	20' x 50'	320#
F20100	20' x 100'	640#
F2550	25' x 50'	400#
F25100	25' x 100'	800#
F3050	30' x 50'	480#
F30100	30' x 100'	960#
F4050	40' x 50'	640#
F40100	40' x 100'	1280#
F5050	50' x 50'	800#
F50100	50' x 100'	1600#

150' lengths are available — please allow at least 2 weeks.
50' x 100' are drop ship only.
All others are stock sizes.

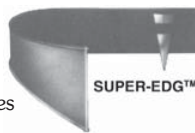
Multi-roll discounts available: 5% off 4 Rolls or 5,000+ sq.ft.
10% off 7 Rolls or 10,000+ sq.ft.

Super-Edg

- Use to form a neat edge with a flexible liner.
- Simplifies delineation of pond level.

SE100R — Super-Edg 100' roll
with 25 non-bending 14" steel stakes
and 2 connecting clips

SE1FT — Super-Edg sold by the foot;
comes with 1 stake every 4 feet



Underlay Fabric

- Essential for sidewalls (see Installation Tips page 7).
- Optional for the bottom of the pond.

UF15300 — 15' x 300' Roll of 6 oz Black Non-woven fabric
UF10150 — 10' x 150' Roll of 6 oz Black Non-woven fabric
UF5150 — 5' x 150' Roll of 6 oz Black Non-woven fabric
UF80 — 80 sq. ft. Packaged Underlay 5' x 16"



Display Rack

- Right and left hand frame piece—add your own lengths of 2" pipe to assemble and support liner rolls or underlay.
- Comes with "PondGard" banner and attachments.

FDR3 — 3 roll Display Rack

Quick Seam Tape Kit

- Contains:
 - 25' seam tape 1 pt TPO Primer
 - 1 Quick Scrubber handle 4 wipes
 - 2 Quick scrubber pads 1 Seam roller
 - Instructions

FQSTK — Quick Seam Tape Kit

Quick Prime

- Use with seam tape or patch tape to prepare surface for better bonding.

FQPQ — 1 Quart Container Quick Prime

Seam Tape

- Double sided Rubber polymer tape for splicing PondGard Liner — 3" wide.

FST100 — 100' roll Seam Tape

FST25 — 25' roll Seam Tape

Patch Tape

- Single sided EPDM tape with adhesive already adhered to one side.
- Designed for the seaming of 2 pieces of liner — 6" wide.

FPT100 — 100' roll Patch Tape

FPT25 — 25' roll Patch Tape

Joint Cover

- Patch for PondGard rubber liner.

FJC60 — 6" diameter Joint Cover

Lap Sealant

- Does **not** adhere two pieces, but does seal the edges where two pieces overlap.

FLS12 — Firestone's black caulking for rubber

Patch Kit LP1

- From Beckett for EPDM and PVC.
- Also recommended for pre-formed poly ponds.

BPLP1 — 5" x 18" patch material with waterproof adhesive

Tubing

Black Spiral Tubing

- Smooth on the inside and ridged on the outside, 100' rolls, black.
- STS12LTBK — 1/2" tubing black STS114LTBK — 1 1/4" tubing black
STS34LTBK — 3/4" tubing black STS112LTBK — 1 1/2" tubing black
STS1LTBK — 1" tubing black STS2LTBK — 2" tubing black

Black PVC Tubing

- Smooth on the inside and on the outside, 50' rolls, black.
- Flexible, reinforced PVC, can be cemented to Schedule 40.

STP100B5 — 1" tubing black PVC STP200B5 — 2" tubing black PVC
STP112B5 — 1 1/2" tubing black PVC STP300B5 — 3" tubing black PVC
STP114B — 1 1/4" tubing black PVC STP400B5 — 4" tubing black PVC

Black Vinyl Tubing

STV38B — 3/8" tubing black Vinyl 100' long
STV12B — 1/2" tubing black Vinyl 100' long
STV58B — 5/8" tubing black Vinyl 100' long
STV34B5 — 3/4" tubing black Vinyl 50' long
STV100B5 — 1" tubing black Vinyl 50' long

POND CONSTRUCTION SUPPLIES

Expanding Black Spray Foam

- Simplifies water feature and waterfall creation by filling the cracks and voids and thus directing the flow of water over the rocks.

For pond installers: Use the large cans, with a spray gun and gun tip

SAVIO Black Foam

S.BF400 — 16 oz Black Foam delivers about a $\frac{1}{2}$ " bead of foam 575' long

S.BF500 — 24 oz Black Foam

S.BF510 — 24 oz Black Foam Gun

S.BF520 — Foam Gun Cleaner



Float Valves

Nature Pond Float Valve and Support

- The NPFV is an all plastic float valve for controlling water levels.
- Mounting requires drilling a $\frac{5}{8}$ " hole about 1" above the desired water level.
- The NPFV mounts like a bulkhead through this hole. It has $\frac{1}{4}$ " male NPT threads and comes fitted with an adapter compression fitting for $\frac{1}{4}$ " tubing connection.
- This valve can handle pressures up to 90 psi.

NPFV — Plastic Float Valve

NPFVS — Float Valve Support

For installing a float valve with a flexible liner

Atlantic Water Garden Float Valve

- Maintains consistent water level in water feature.

AWGAF1000 — Auto Fill Kit



INSTALLATION TIPS

Buying the Right Sized Liner

To buy the **right size liner** you must know the maximum length, width, and depth in feet of the planned excavated area. Add twice the maximum depth in feet and 2' for overlap, to the length and width of your planned pond.

For Example: Take a pool that will measure 8' in length, 12' in width and 2' deep. You would have to take the length of 8', add twice the depth, which is 4', and then add 2' to calculate a final measurement of 14'. To calculate the width you take the measurement of 12', add twice the depth, which is 4', and add 2' to calculate a final measurement of 18'. The liner size you would need for this size pool would be 14' x 18'.

Basic Pond Installation

These are only the very basic steps for installing a pond and do not take into account the installation of filtration or waterfalls

- 1. Locate your pond where you can enjoy it and interact with it.**
 - A. We suggest an area with full sun.
 - B. Check with your Building Department for regulations.
- 2. Electricity** adds to your options and ENJOYMENT. (Be sure to use a Ground Fault Interrupted outlet or plug.)
- 3. Before you start digging,** try setting out a garden hose to "lay out" the shape and size you want.
 - A. Make it as large as you can because it will always seem smaller when you're done.
 - B. While you are designing the area think about whether or not you will want to add in a waterfall or a second pool and keep that in mind.
- 4. If you are using a preformed pool** (quick and easy for pools under 6-10') you set the pool in the hole, being sure it is level and 1-2" above the surrounding ground— then back fill around it.

5. If you are using a liner

- A. Define the outer edge (allowing for a stone "wall" or coping "inside" the pond if desired) and the high water level with Super-Edg and level it carefully. (Remember to have the edging a couple inches higher than the surrounding grade of the pond so that run-off is kept out.)
 - B. Complete the excavation of shelves and pond bottom measuring all depths from the Super-Edg "top line."
 - C. **Very Important** - Make sure that the shelves and the edges of the pond are well defined and secured – consider using Super-Edg or other rigid material for definition. The constant freezing and thawing of the ice will cause things to shift and settle and if the edges aren't properly secured then the pool edges will eventually fall apart.
 - D. **Grade the bottom of the hole** and remove any rocks that are there.
 - E. **Underlay** fabric should be used around the **SIDES** of the pool where most abrasion occurs and leaks appear. Sand 2 - 3" deep is best for under the bottom of the pond. The underlay fabric will protect the liner from any abrasion that may occur during those thawing and freezing periods. You can tuck it over the Super-Edg to keep it secure.
 - F. **Now you're ready for the liner.** Before you put the liner in the hole, lay it out alongside the pool to make sure it is the right size.
 - G. Center the liner and anchor it with water. Fold the edge of the liner up and over the Super-Edg or what ever structural support is holding the edge. Keeping that nice and tight, secure it with backfill and rocks.
- 6. Start putting the coping** together with rocks and small quart size plants, placing the plants between the rocks so it looks more natural. Use liner scraps to pad along inside walls where stone will be placed (Good coping plants on the wet side are forget-me-not, moneywort, mint, watercress. For the dry side put some sedums.)

Enjoy!