

# Pond Liner

300 g/m<sup>2</sup> HEAVY-DUTY HDPE

100% virgin polyethylene · UV stabilised · No plasticisers



300 g/m<sup>2</sup>  
TRUE WEIGHT

100%  
VIRGIN HDPE

5%  
CARBON BLACK UV

40 YEAR  
UV GUARANTEE\*

## CHOOSING THE RIGHT SIZE

Measure your pond at its longest, widest and deepest point, then:

**Length** = pond length + (2 × depth) + 60cm

**Width** = pond width + (2 × depth) + 60cm

The extra 60cm leaves a 30cm overlap all round to anchor the edges. Always round up — you can trim a liner, you cannot add to one.

**Example:** a pond 3m long, 2m wide and 60cm deep needs 4.8m × 3.8m. Choose the 5m × 4m.

## PLANNING YOUR POND

**Position.** Away from overhanging trees to limit leaf fall. At least half a day of sun, sheltered from cold winds. Avoid ground with a high water table, where water can collect beneath the liner and lift it.

**Shape.** Large sweeping curves work best. Sharp angles restrict circulation and allow waste to settle.

**Depth.** Koi need 90cm as a minimum and 1.2m ideally. Goldfish, shubunkins and comets manage at 50cm but do better at 90cm. Make the deepest zone at least 40% of the pond area — this is where fish overwinter.

**Planting and stock.** Allow roughly 25cm of fish per square metre of surface. Marginals want 10–25cm of water above the crown. Lower lilies gradually as their stems lengthen.

## CARE AND SAFETY

Lift fallen leaves before they break down. Never drag sharp objects across the liner. In cold weather, unfold it in sunshine for an hour before fitting — it becomes far more supple.

Ponds present a drowning risk. Never leave young children unsupervised near water.

## QUICK SIZE GUIDE

| YOUR POND (length × width × depth) | LINER NEEDED | ORDER THIS SIZE |
|------------------------------------|--------------|-----------------|
| 1.5 × 1.0 × 0.45m                  | 3.0 × 2.5m   | 3 × 2.5m        |
| 2.0 × 1.5 × 0.60m                  | 3.8 × 3.3m   | 4 × 4m          |
| 2.5 × 2.0 × 0.60m                  | 4.3 × 3.8m   | 5 × 4m          |
| 3.5 × 2.5 × 0.75m                  | 5.6 × 4.6m   | 6 × 5m          |
| 4.0 × 3.0 × 0.75m                  | 6.1 × 5.1m   | 7 × 6m          |
| 5.0 × 3.0 × 0.90m                  | 7.4 × 5.4m   | 8 × 6m          |

Depths are to the deepest point — if yours is deeper, add twice the extra depth to both. Size calculator at [allpondsolutions.co.uk/calculators](http://allpondsolutions.co.uk/calculators)

## INSTALLATION

1. Mark out the full footprint with rope or hose so you can see the shape before you dig.
2. Excavate with sloping sides rather than vertical drops. Create marginal shelves at 20–40cm. Check the pond is level across all edges.
3. Remove every sharp stone and root. Lay underlay across the base and sides, then the liner on top. If you must walk on it, take your shoes off.
4. Fill gradually, easing out creases as the water rises. Leave overnight to settle.
5. Trim the next morning, keeping at least 30cm of overlap. Edge with paving or turf so no liner is left exposed to sunlight.
6. Fit your pump, filter and planting.

## ABOUT THIS LINER

Manufactured from 100% virgin high-density polyethylene at 300 grams per square metre, with a 5% carbon black UV stabiliser. Liners wider than 2.1m are joined with a heat-welded seam.

## WE QUOTE WEIGHT, NOT THICKNESS

Most pond liners are sold on a nominal thickness figure. We state grams per square metre instead, because it is the measure you can actually check. 300 g/m<sup>2</sup> is what is in this box.

## YOUR 40-YEAR GUARANTEE

40 years against UV degradation of the liner material, provided it is installed over a non-woven underlay, with all exposed edges covered by paving, turf or stone. Please keep your proof of purchase.

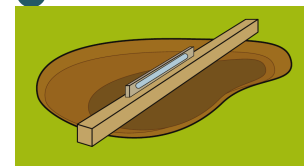
**Not covered:** punctures, tears, damage caused during installation, by animals or by ground movement, or liner left exposed to sunlight.

## INSTALLING YOUR LINER

### 1 LAY OUT THE SHAPE



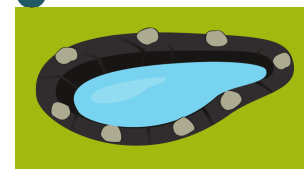
### 2 DIG AND LEVEL



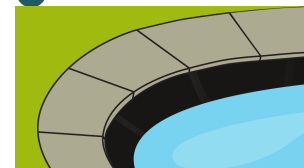
### 3 UNDERLAY, THEN LINER



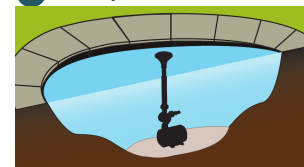
### 4 FILL WITH WATER



### 5 FINISH THE EDGING



### 6 ADD EQUIPMENT



## UNDERLAY IS REQUIRED FOR YOUR GUARANTEE

Your guarantee requires a non-woven underlay beneath the liner. Ours is 150 g/m<sup>2</sup> polypropylene, in four sizes that overlap to fit any pond.

BARCODE

PRODUCT CODE / SKU

[allpondsolutions.co.uk](http://allpondsolutions.co.uk)

Pump, filter and UV sizing — see reverse

All Pet Solutions Ltd, Beaconsfield, Buckinghamshire

Guarantee: UV degradation only, underlay required — see terms above.

This guarantee is in addition to your statutory rights.

# Sizing Your Pond Equipment

Now the liner is in — what pump, filter and UV do you actually need?



## STEP ONE — WORK OUT YOUR POND VOLUME

$$\text{Litres} = \text{length} \times \text{width} \times \text{average depth} \times 1,000$$

All measurements in metres. Use AVERAGE depth, not the deepest point — on a pond with sloping sides that is roughly two thirds of the maximum. Example: 3m × 2m × 0.45m average = 2,700 litres.

Round down rather than up. It is better to over-filter a pond than under-filter it.

## STEP TWO — TWO RULES THAT COVER ALMOST EVERY POND

### TURNOVER

Your pump should move the whole pond volume every 1.5 to 2 hours — once an hour if you keep koi. Undersized pumps are the most common cause of poor water quality.

### HEADROOM

Choose a filter and UV rated for at least your pond volume, and double it if you keep koi or stock heavily. Filter ratings assume light stocking and perfect conditions.

## STEP THREE — MATCH YOUR EQUIPMENT

| YOUR POND VOLUME | PUMP FLOW RATE      | FILTER RATED FOR | UV CLARIFIER |
|------------------|---------------------|------------------|--------------|
| 1,000 litres     | 500 – 700 L/h       | 2,000 litres     | 5 – 9 W      |
| 2,500 litres     | 1,250 – 1,700 L/h   | 5,000 litres     | 9 – 11 W     |
| 5,000 litres     | 2,500 – 3,300 L/h   | 10,000 litres    | 11 – 18 W    |
| 10,000 litres    | 5,000 – 6,700 L/h   | 20,000 litres    | 18 – 24 W    |
| 20,000 litres    | 10,000 – 13,300 L/h | 40,000 litres    | 30 – 36 W    |

A quick guide for a moderately stocked ornamental pond in part shade. Stocking level and how much sun your pond gets both change these figures — the calculators below take them into account. For koi, step up one row. A pressurised filter with built-in UV does both jobs in one unit.

## SKIP THE MATHS — LET OUR CALCULATORS DO IT

These work to your own pond — stocking level, sunlight and fountain height all change the answer — then show the matching products from our range.



### POND VOLUME CALCULATOR

Free • no sign-up



### POND PUMP SIZE CALCULATOR

Free • no sign-up



### POND FILTER RECOMMENDER

Free • no sign-up

## KEEPING YOUR WATER CLEAR

### GREEN WATER

Suspended algae. A UV clarifier is the only reliable fix — allow two to three weeks to clear.

### CLOUDY WATER

Usually a new filter still maturing. Give it four to six weeks and resist over-cleaning the media.

### BLANKETWEED

Long stringy algae. Remove by hand and cut nutrients; UV has no effect on it.

### LEAF FALL

Net the pond through autumn. Decaying leaves are the main cause of poor winter water quality.

## EVERYTHING ELSE FOR YOUR POND

Filters • Pumps • UV • Air pumps • Vacuums • Nets • Treatments • Fish food • Liners & underlay • Spare parts

[allpondsolutions.co.uk](http://allpondsolutions.co.uk)

Free UK delivery, no minimum spend • 30-day returns

## MAKING A GUARANTEE CLAIM

Keep your receipt and this leaflet. Contact us with your order number and photographs of the liner, and we will take it from there.

Guarantee covers UV degradation only and requires a non-woven underlay beneath the liner. This guarantee is in addition to your statutory rights.