

Top's for the Bottom



of the Garden Pond

Your own pond in the garden is a great idea. With a Butyl-liner from Värnamo Isolerduk the pond can be built exactly as you want it. And your pond will withstand weather and wind for decades.

Butyl sheeting has been used as waterproofing membranes in ponds, ornamental lakes, water reservoirs and canals for more than 40 years. A guarantee for outstanding lifetime.

Compared to plastic products the rubber sheeting is elastic. The sheet can be stretched 300 percent, and will therefore follow ground movements and uneven surfaces.

Butyl is not effected by exposure to the environment. Sun, UV-radiation, water, penetrating roots, and microorganisms do not influence the membrane.

It will remain flexible, elastic and strong through the coldest winter to the hottest summerday.

Butylsheet does not contain any plasticers or additives which will be washed out or evaporate over time. You can without hesitation grow fishes or other aquatic animals in your garden pond, the sheet is not toxic.

Värnamo Garden Pond Butyl in your pond will solve all the practical problems. Then it is up to your own fantasy to create a pond of beauty.



Creeks and ponds in the Rhododendron Valley of the Botanic Garden

1 • The installation of your new pond liner should be a straightforward procedure provided a few simple rules are followed.

Choose a level site away from overhanging trees etc. to ensure at least half a days sunlight and to avoid leaves falling into the water where they will decay causing pollution harmful to fish. Ideally the shape of the pond should be kept to simple curves with a minimum depth of 18".

A shelf of 9" depth should be incorporated to contain marginal plants and all sides should have a slope of at least 15 degrees (3" in for every 9" down).

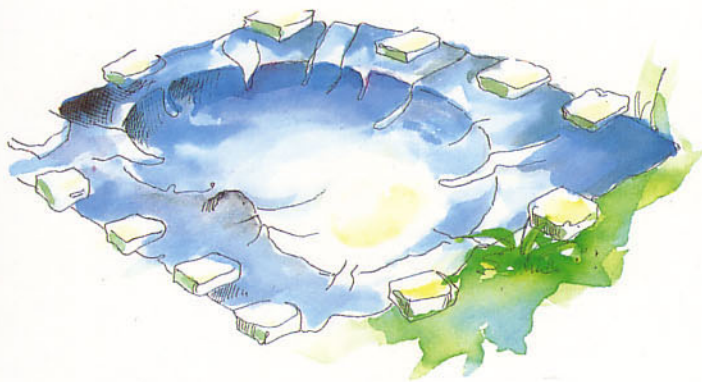
The size of the liner should be calculated as follows:
Overall length plus twice the maximum depth.
Overall width plus twice the maximum depth.



VÄRNAMO GARDEN POND BUTYL

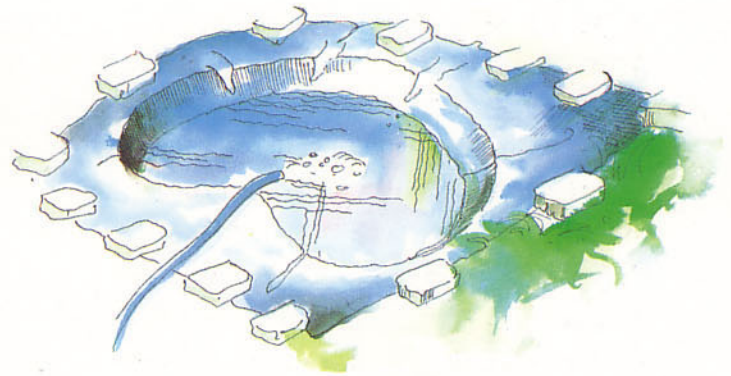


of Gothenburg are lined with Värnamo Garden Pond Butyl.



2. Dig pond using excavated earth to form rockery/waterfall if desired. Remove all sharp stones and cover with a layer of sifted topsoil which should be dampened to help stabilize the soil.

3. Drape liner evenly over the pond keeping it fairly taught by the use of bricks/stones placed evenly around the edges of liner. Slowly run water into pond. As weight of water pulls liner into pond ease edges of liner inwards and smooth wrinkles evenly around the edges.



4. When the pond is full trim excess material from around pond leaving approx 6" flap all round.

5. Finish pond with an edging of crazy paving. Ensure stones protrude over water by 2" to hide edge of pond. Allow water to mature for a few days before planting.



Japanese Pond in the Botanic Garden of Gothenburg.

Facts on Värnamo Garden Pond Butyl

Black rubbersheeting produced by calandering in two plies followed by vulcanisation. Produced in Butyl, which is a syntetic rubber polymer. Product with excellent weather and UV-resistance, flexibility and low water absorption.

The 1,7 m wide sheet is hot bonded in the factory by means of vulcanisation to a final membrane of any desired size.

TECHNICAL DATA		
Thickness:	0,75mm	
Weight:	1,0 kg/m ²	
Width:	As specified, max 20 m.	
Length:	As specified, max 30 m.	
Package:	In carton or folded on pallet.	
PHYSICAL PROPERTIES		
Hardness:	65 + 5 IRH	SIS 162201
Tensile strength:	min 6,0 MPa	SIS 162202
Elongation at break:	300%	SIS 162207
Heat aging 168 hrs, at 121°C.		
Tensile strength:	max change 40%.	
Elongation:	max change 40%.	
Ozone resistance, 50 pphm, 80%, 96 hrs:	no cracks	
Dimensional stability, 100°C at 1 hr.:	max ± 1%	
Influence of high or low temperatures:	flexible from -30 to +120°C.	
CHEMICAL RESISTANCE		
Resistant: Water, brine water, microbiological attack, aggressive soil, marine organisms, lime, concrete, cement, dilute acids and alkalis, alcohols, nitrates, phosphates in solution, root penetration.		
Not resistant: Aromatic solvents, petrol, oil, diesel, benzol, toluene, terpentine.		



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