

Elastoseal Pondliner

The unique elasticity makes a rubber membrane the best choice for lining of decorative ponds. Elastoseal is not affected by UV light, extremes of temperature or length of service life. It resists compressive loads and movements in the ground. The material reverts to its original length, thickness and shape after elongation. As the rubber does not contain any plastizers or additives that can be leached out, it will not shrink, loose weight or become brittle.

EPDM liners is environmentally friendly and have no impact on fauna and flora. Koi:s or other fishes are not affected.

Elastoseal is approved according to FLL directives and is highly resistant to root penetration and rodent attacks.

The thin, flexible Elastoseal liner have a superior conforms to the substrate. The pond looks natural and the liner have a minimum of visibility. Without compromising on service life Elastoseal provides the most natural pond design .

Product

The Elastoseal liner is made to measure to fit the size of your pond. Sizes up to 600 sqm can be supplied as a single panel and be installed by the building owner or a building contractor. For larger areas that require splicing on site, a geomembrane installer authorised by SealEco should be engaged.

The Elastoseal Pondliner System include Thermobond components for thermofusion seaming (hot air guns), like pipe boots, repair strip and accessories, like sealant, adhesives, tools.

Thickness: 0,80 / 1,00 / 1,20 mm

Size options:

Width, m	Length, m
3,4	25
5,0	25
6,7	25
8,4	25
10,0	25
According to specification, max. 600 sqm:s	

Physical properties:

Tensile strength min 9.0 MPa
Elongation at break min. 300 %
Dimensional stability, 100° C for 1 hr., max change 1 %
Flexible and elastic from -40° to + 120° C



Our operations are conducted according to ISO 9001 and ISO 14000. Products and systems are tested according to applicable standards, supervised by independent laboratories, authorities and certified to local building codes in all the markets where we are active.



SealEco

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The Watertight Difference

Unique rubber membranes

Rubber is elastic, not plastic. Vulcanisation creates a stable cross-linked polymer structure with unsurpassed dimensional stability, elasticity and long term durability. Our systems involve patented, very competitive elastomeric materials and splicing techniques.

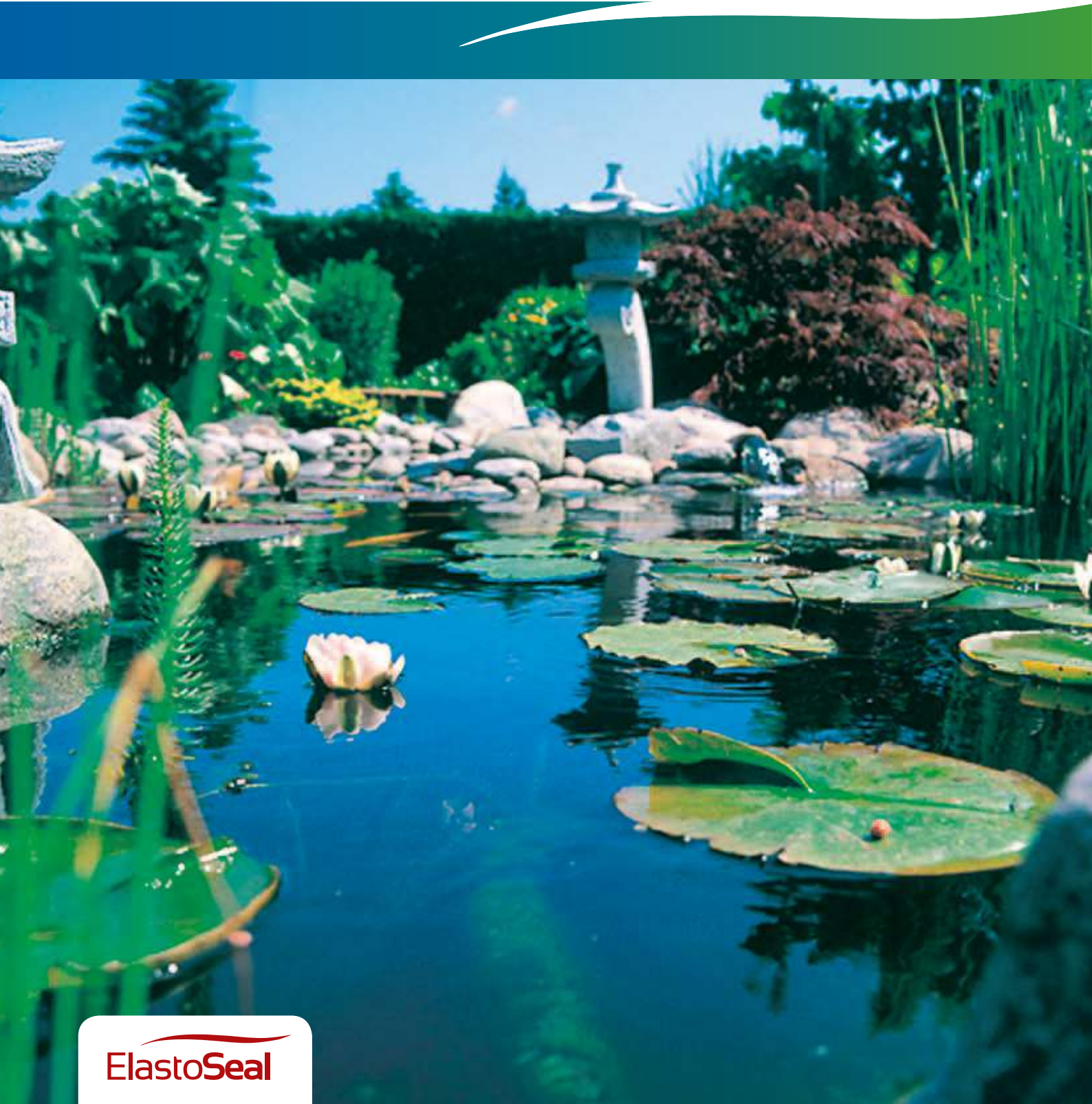
Fully engineered systems

30 years of close co-operation with architects, construction engineers and roofing contractors have resulted in complete and reliable solutions comprising rubber membranes, installation methods and compatible accessories; all backed by efficient technical service.

Focus on the environment

Environmental protection and care comes naturally to a supplier of products that contribute to the conservation of water, as well as the protection of goods and property from water leakage and moisture. Our rubber membranes are chemically stable and contain no problematic additives such as plasticisers, heat- or UV-stabilisers. They do not release any substances that cause allergies or hazards to the environment. Recycling options are available for membranes reclaimed from old installations.

Elastoseal EPDM Pondliner



Installation

1. Excavation: Sharp stones and roots should be removed, and a layer of sand laid on the bottom bed. Protection by a 500-800 g/sqm geotextile is recommended. For garden ponds thickness 0,80 mm is used. For large aquatic, ornamental or recreational installations thickness 1,00 mm is recommended. Drainage systems for gas and ground water should be considered on large installations.



3. Check that there are no sharp stones or roots in the pit. Lay a layer of sand or a geotextile in the bottom. Lay out the panel over the pond and place a few stones on the edges to hold the panel in place. Fill with water. The weight of the water will cause the membrane to slide down into the hole and shape itself perfectly to the substrate. When the pond is filled, cut off the edges of the Elastoseal membrane so that at least 20 cm remains. Cover the edges of the membrane with stone or concrete slabs. Feel free to set the slabs in cement and allow them to protrude 5 cm over the water, in order to hide the exposed part of the membrane above the surface of the water. Allow the pond to remain untouched for a few days before planting.



Installation 1.



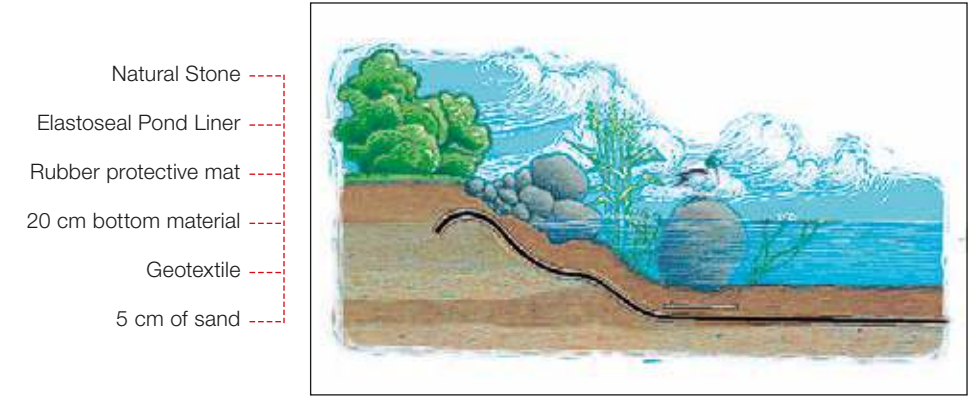
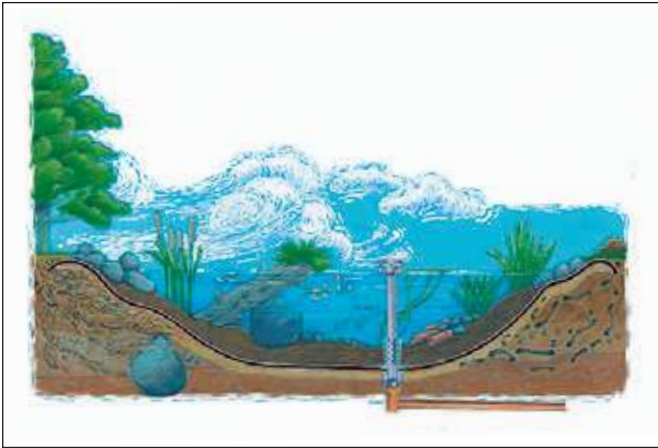
Installation 2.



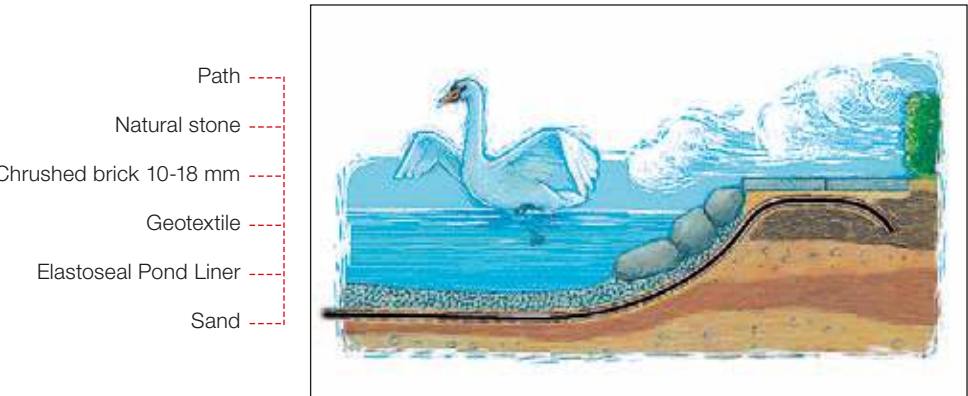
Installation 3.



Construction examples

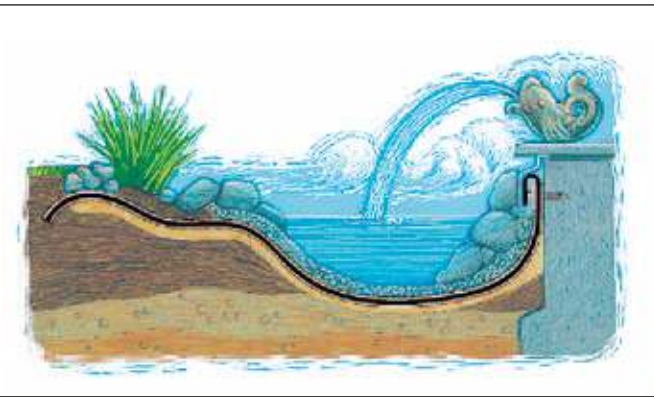


Natural stone
Natural stone makes a natural beach, at the same time as forming a stable anchorage and capillary barrier. A granulate rubber mat is laid under large stone blocks as protection



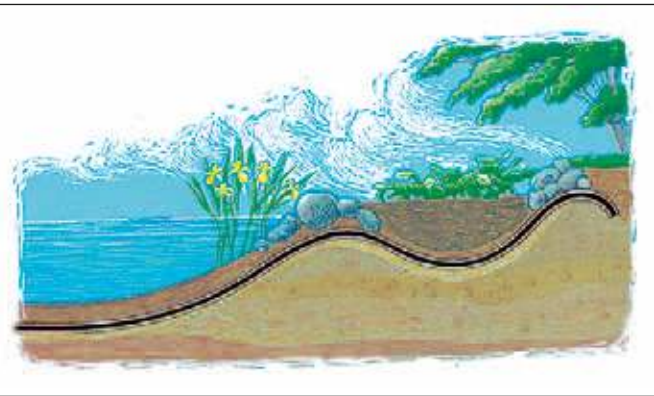
Path
When the beach is directly adjacent to a path, there is a risk of considerable wear. The membrane is anchored and completely covered with large natural stones from the beach down to the bottom.

- Supporting wall
- Stainless steel sheet
- Stainless steel screw
- Natural stone
- Coarse gravel 5 cm
- Elastoseal Pond Liner
- Geotextile
- Sand



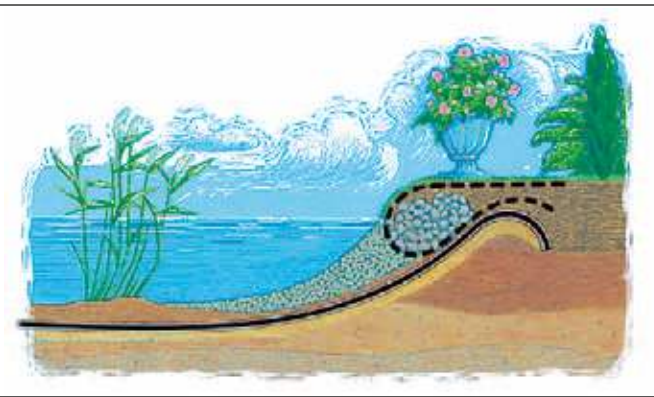
Supporting wall
If the pond is installed against a supporting wall, the membrane should be secured by screwing it into the wall approx 50 mm above the water level. The attachment is then covered with a plate of stain-less steel material. Below the water level the membrane is anchored with natural stone.

- Capillary barrier
- Peat
- Separation
- Bottom material
- Geotextile
- Elastoseal Pond Liner
- Sand



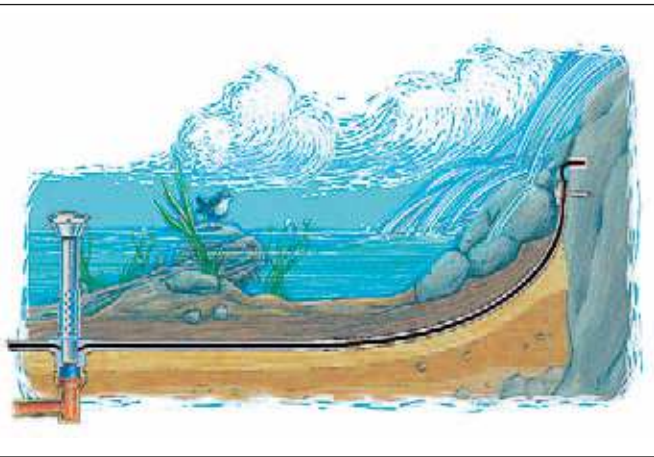
Capillary barrier
A sump zone around the pond containing aquatic plants keeps unwelcome bathers away. The sump zone is in the form of a shallow moat and is filled with planting substrate. It should be separated from the pond with stone so that the substrate does not mix with the water.

- Grass
- Soil
- Coconut matting ERO 700
- Capillary barrier
- Stone material
- Elastoseal Pond Liner
- Geotextile
- Sand



Grass beach
A grass beach should be laid on a coconut matting. Half the mat should be laid in the water. When the ground has been levelled out, the matting is folded up on the slope to form a pocket which holds the soil in place. In a shallow pond, coarse gravel or crushed brick can be taken up to the edge of the grass.

- Rock
- Groove
- Stainless steel sheet
- Stainless steel screw
- Natural stone
- Greenseal Pond Liner
- Geotextile
- Sand
- Overflow
- Perforated steel pipe



Waterfall
For waterfalls over stone, the liner should be secured by screwing it into the rock. A horizontal groove is made in the rock for the edge of the membrane. The overflow pipe can be lifted when the pond is to be emptied.