



ElastoSeal

EPDM Pondliner for watertight and durable solutions in many applications





Durable waterproofing with unique properties

ElastoSeal EPDM Pondliner has unique properties and has proven itself for many years. Our ElastoSeal membrane has a high durability and is highly resistant to UV radiation, ozone, root penetration and algae growth.

Natural swimming pond



ElastoSeal is highly resistant against UV and ozone radiation

Private pond

ElastoSeal EPDM Pondliner

ElastoSeal EPDM Pondliner remain elastic regardless of age and temperature and offers high resistance to root penetration. Rubber membranes have no yield point under elongation. Our ElastoSeal EPDM Pondliner can be strained in all directions at the same time (multiaxial response) and are not subject to "stress cracking". Therefore ElastoSeal EPDM can be installed in cold and humid weather conditions, left exposed or covered with soil.

Elasticity and service life remain unaffected by mechanical stresses, high and low temperatures, chemical and biological influences. The rubber membrane is tailor-made or prefabricated in large panels normally 500-1500 m². The dimensions are limited by weight and ease of use. Pipes and other types of protrusions can also be prefabricated for an easy, fast and secure installation.

The facts about ElastoSeal EPDM

EPDM is a synthetic rubber that is an elastomer. The material has unique properties such as elasticity and these properties are unchanged when the membrane is under tension. EPDM is highly resistant in a wide temperature range and cannot melt. EPDM was introduced in the early sixties and over the years has found increasing application as a waterproofing membrane for the entire construction industry, rubber is the geomembrane that has been used the longest in the marketplace, and the product has already proven its suitability as waterproofing for decades. For demanding and professional applications we offer the ElastoSeal EPDM Geomembranes. Our offering is specified in a separate brochure.

Our ElastoSeal products

ElastoSeal standard panels

The ElastoSeal standard panels are made of unreinforced EPDM rubber and are available in different thicknesses and suitable for many lining applications. For fast deliveries we offer standard panels in different widths.



ElastoSeal 2D membranes

ElastoSeal can also be prefabricated by desired dimensions. The membrane will be prefabricated in our production facilities under the best possible circumstances.

ElastoSeal 3D membranes

On request we prefabricate ElastoSeal as a 3D membrane. CAD production drawings are created and 3D membranes are prefabricated in our prefabrication

units in the most suitable environment. With ElastoSeal 3D membranes we reduce waste and create the maximum safe and durable solutions.



Why ElastoSeal

- ✓ Tailor-made solutions
- ✓ Fast, easy and secure installation
- ✓ Highly UV- and ozone resistant
- ✓ Elasticity > 300%
- ✓ Multidirectional strain, superior to absorb settlements and movements
- ✓ Puncture resistance with full flexibility up to maximum tensile strain
- ✓ Resistant to root penetration
- ✓ Flexible, adapts to any substrate or shape
- ✓ Can easily be adhered to substrates
- ✓ Installation possible in both cold and wet conditions
- ✓ High-temperature resistance (-40°C up to 150°C)
- ✓ Prefabricated pipe boots available
- ✓ Maintenance-friendly and recyclable
- ✓ Environmentally friendly (products and systems)
- ✓ A lifespan of more than 50 years
- ✓ We provide full support to professionals

Applications with ElastoSeal

ElastoSeal EPDM Pondliners are often used as pond liners in gardens, parks, lagoons, swimming ponds, industrial ponds, water buffers. They can also be made to measure to create various waterproof solutions.



Private Ponds

A pond can be a stunning centerpiece and focal point for your garden. Not only visually beautiful to your family and friends. Frogs, birds and dragonflies are just some of the regular visitors that can be attracted to your garden. A pond can be an extension of your lifestyle and enhance the features that you create for your home. ElastoSeal can be made from standard panels tailor-made in 2D or 3D membrane.



Natural Swimming Ponds

Swimming ponds can offer an additional benefit to the standard private ponds. Whether you prefer a modern, sleek, angular design, or shaped with natural lines and curves, ElastoSeal EPDM Pondliners are perfect for prefabricating a variety of shapes. Not only flat 2D liners, but completely 3D, tailor-made can be prefabricated by SealEco.



Equestrian Centres

Standard equestrian centres often have the disadvantage of having a slippery or damp surface during wet periods. Similarly, a dry and hard surface may arise if the sprinkler system cannot function properly. In both scenarios, the risk of injury can be high if the surface is not entirely safe for the horse and rider. An EPDM membrane is used as a waterproof layer on the substrate and drainage pipes are laid over the membrane. The ebb and flow reservoir is then

filled with a special sand mixture. In the summer or in dry conditions, water is pumped through the drainage pipes to humidify the equestrian centre. In wet conditions, the system allows the excess water to drain through the pipes. Throughout the year, the substrate has a constant quality thanks to the combination of the drainage system and ElastoSeal waterproofing membranes.



Industrial and Commercial Ponds

For many companies or businesses, their daily view is uninspiring; dull pavements, roads and parking lots or, for the lucky few, a grassy area. An ElastoSeal pond adjacent to a business immediately provides a favourable first impression for clients and a pleasant environment for staff. Allowing great architectural freedom of design, the possibilities for a water feature are endless, and ensure the business projects the kind of image they wish to achieve – sleek and modern, or natural and flowing. By using ElastoSeal EPDM Pondliners, anything is possible.



Water Retention

During periods of heavy rainfall, drains are often unable to cope with the sheer amount of excess water and this can lead to flooding. Increasing built-up areas only contribute to this pressure. Providing a way to retain or buffer water is one solution to this rapidly

growing problem. Rainwater is collected and gradually dispersed in a controlled manner, thereby greatly reducing the risk of flood. The ElastoSeal EPDM Pondliner is the right choice for water retention projects.

Water Tanks and Silos

There are several ways to contain water, the most popular are tanks, silos or basins. In addition to the large EPDM panels offered by SealEco, in many situations it is possible to join membranes on site to provide one watertight solution. The ElastoSeal EPDM liners for tanks or silos are prefabricated in 3D in any size or shape, providing complete and secure containment with a long service life.



Planters

ElastoSeal prefabricated 3D membranes are ideal for providing inner liners for flower planters and containers. Completely tailor-made for any design, virtually any size and shape can be prefabricated. Due to the unique properties of EPDM rubber membranes, the planter is root-resistant and 100% watertight.





Environmentally friendly

The environmental impact of ElastoSeal is minimal, during both production and application. The membranes do not release any toxic substances, which means that the rainwater run-off is perfectly suitable for irrigation. ElastoSeal EPDM is also 100% recyclable. Using the latest techniques, we can split the ingredients and reuse them in our mixtures for new membranes. That is why EPDM is classified as the most environmentally friendly product.



Technical support on site

- **Organization on the construction site**
Installers are always certified. A quality manager is authorised in each installation team.
- **Supply logistics**
Deliveries to the site are checked for quality by ensuring packaging, storage of material at site and inspection of the goods received are fully documented.
- **Control of earth works**
Before the start of a lining installation the soil and surface quality as well as compaction are approved by the installer.
- **Installers quality control records**
Include drawings, marking of all panels, documentation of testing and final report to ensure that all materials can be traced back to manufacture.

Certificates and approvals

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



Swimming pond



We make waterproofing easy

SealEco is a manufacturer of EPDM rubber membranes for waterproofing. With more than 50 years of experience and product knowledge, we offer the best solution for every situation. With an extensive portfolio of projects, SealEco products are successfully installed in extreme climates worldwide and, even decades later, the quality of products remains consistent throughout their lives.

In addition to providing waterproofing to buildings, when ponds, reservoirs, covers, or basins for industrial or agricultural use are required, SealEco's innovative products and skills mean that we can offer customized solutions to meet your requirements. SealEco supports you throughout the entire process of your projects. We do not only offer the right watertight systems and solutions, we also make it easy for you!

SealEco sets high standards and values for daily operations. Embedded in our company, our goal is to burden the environment as little as possible with our products and methods. By working effectively, we support our partners both inside and outside the organization. We strive to deliver quality in everything we do.

SealEco is part of the Nordic Waterproofing Group and our more than 1,000 employees have the responsibility, integrity and ambition to meet and exceed your expectations.

For more information, visit www.sealeco.com



Your ElastoSeal dealer: