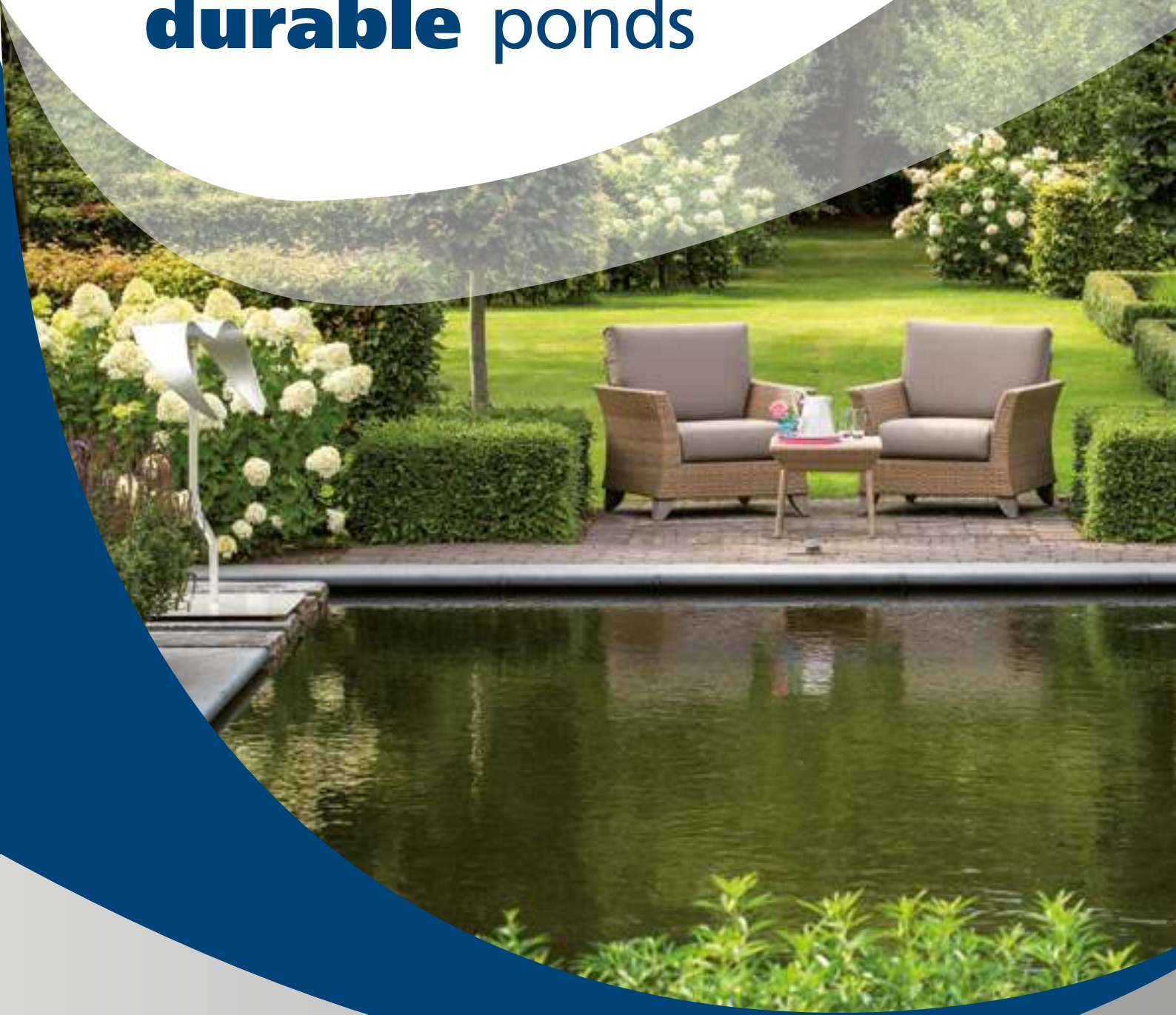


Aesthetic and durable ponds



Firestone



Lining for Life™



A support to creativity

From time immemorial, man has been attracted to water. The installation of a water feature in a private garden or in a public place is a source of pleasure, relaxation and serenity. The integration of water in the living space has always been a source of inspiration for architects and landscapers. It is now over 40 years that they trust Firestone membranes to realize their creations. Firestone PondGard™ is a simple, robust and durable waterproof solution.

The obvious choice

Exceptional longevity

Firestone PondGard™ is a high quality EPDM synthetic rubber waterproof membrane designed to withstand the test of time. Its excellent resistance to UV exposure, high temperatures, oxidation and frost allows the Firestone PondGard membrane to retain its mechanical properties for countless years, even when exposed to the weather. Projects installed over 40 years ago are still functional and are therefore living proof of this durability.



Flexible and elastic

Firestone PondGard works well on all kinds of support. It adapts to the creativity of designers, regardless of the complexity of the pond, with optimal aesthetic results.

Robust

With a thickness of 1.0 mm, Firestone PondGard is a robust membrane with mechanical properties that are perfectly adapted to the challenges related to water storage. Its elasticity (> 300%) and flexibility (even at -45° C) allow it to adapt to the inevitable movements of the support and to the irregularities of the substrate (excellent puncture resistance) throughout its life.



Quick and easy installation

The installation and assembly of the Firestone PondGard membrane are extremely simple and allow for a perfect finish. The Firestone accessories and the membrane's flexibility allow sealing even the most intricate details. No machine is required and the number of seams is limited in view of the large dimensions of the panels (from 93 m² up to 930 m²). Even after many years of use, Firestone PondGard membranes can be re-assembled in case of any adjustment or repair of the pond.



Environmentally friendly

Thanks to its chemical inertness and resistance to algae and micro-organisms, the Firestone PondGard membrane does not release chemicals into the environment. Tests carried out by the Water Research Centre in the United Kingdom (WRC) show that it is not hazardous to aquatic fauna.



Firestone Quality

Firestone PondGard is produced by Firestone, the world leader in the rubber industry for over 100 years. From the manufacture of tires to waterproofing membranes, Firestone has a name to uphold. Therefore, from the selection of raw materials to the finished product control, Firestone uses all its know-how to produce membranes of the highest quality.





ONE SOLUTION FOR ALL APPLICATIONS

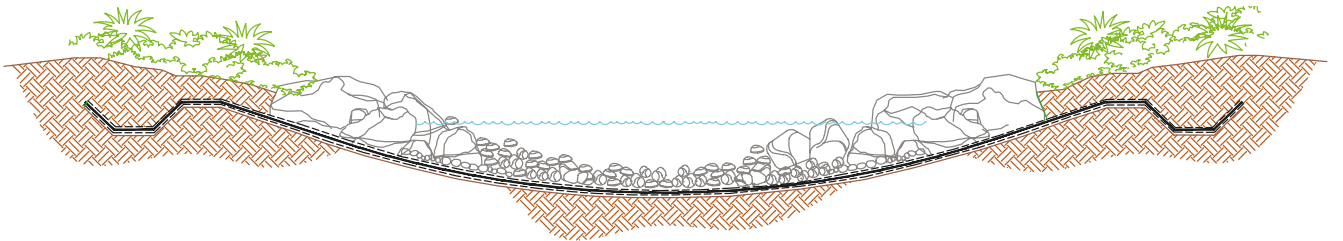
Residential decorative ponds | Koi ponds

Listening to the sound of water, watching the aquatic life, enjoying the beauty of the lilies in bloom...
Many features can add pleasure to a garden, regardless of its size.



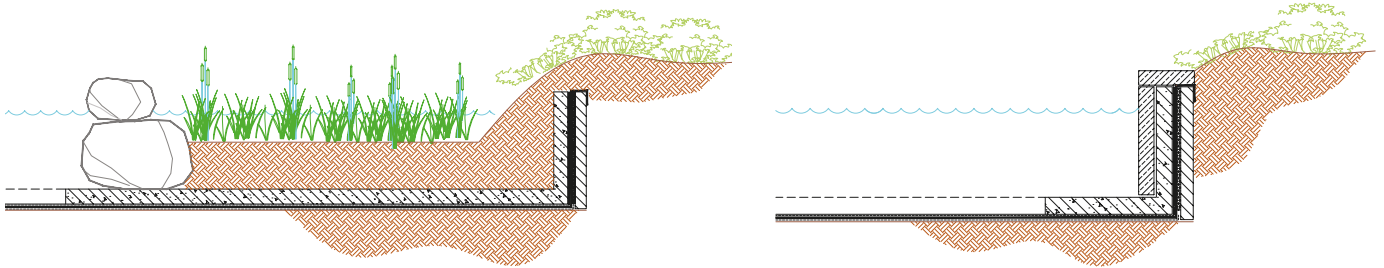
Streams | Waterfalls | Fountains

Robust and flexible, the Firestone PondGard membrane is the ideal support for reproducing a natural landscape.



Commercial decorative ponds

The installation of a water feature as part of a shopping center or close to offices or homes, is gaining interest as a place of encounter and exchange.





Reflection ponds

Reflection ponds magnify the adjoining buildings by strengthening their presence and creating unexpected light effects. Depending on their location, they also help to reduce the risk of vandalism and increase the safety of the building.



Swimming ponds

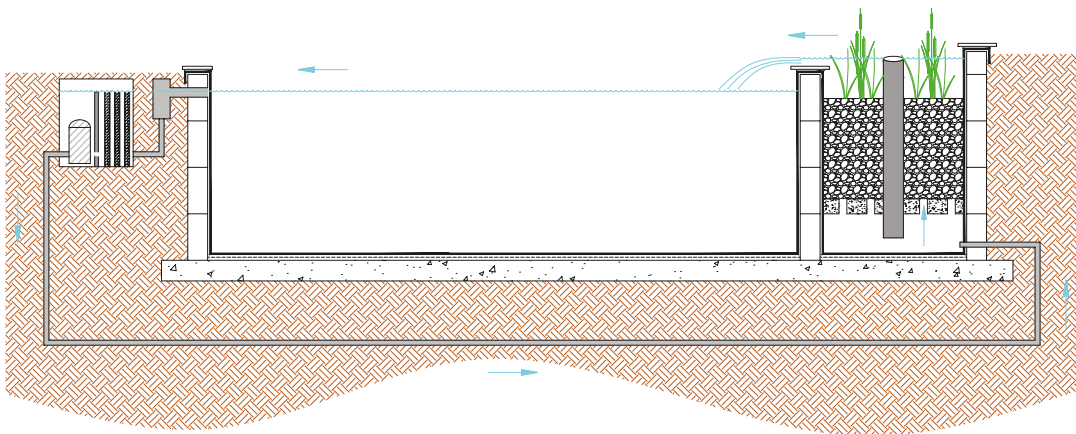
Swimming in clear water, free of chemicals, is a unique experience. The pond is perfectly integrated in the garden. It becomes a new living space for the flora and fauna and is a delight for swimmers.





Natural swimming pools

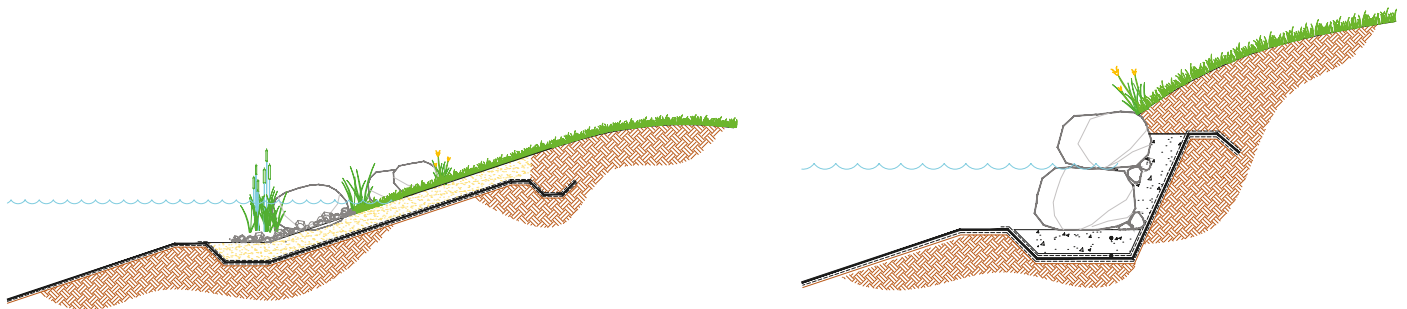
Water treatment takes place naturally by means of specific plants and micro-organisms present in the filtration area. Firestone's authorized distributors are able to help you choose the water treatment and pumping system best suited for your project.





Artificial lakes

Firestone has developed many detailed drawings that present solutions giving a natural appearance to the water feature and ensuring their integration into the landscape.



Golf course ponds

A guaranteed sustainable and optimal aesthetic result makes Firestone PondGard the membrane of choice for installing ponds in the most prestigious golf courses around the world.





Leisure parks

Puy du Fou, in Western France, was named “World’s Best Amusement Park” in 2012 by industry professionals from the Themed Entertainment Association. The park owns its success to a team constantly in search of improvements. That is why since 1997, Puy du Fou trusts the Firestone PondGard membrane for waterproofing ponds with very complex technical and aesthetic requirements.





Other prestigious amusement parks, including Legoland Malaysia, Europa-Park (Germany), the Toronto Zoo (Canada) and the Futuroscope in Poitiers (France) have also trusted Firestone PondGard as their membrane of choice.

A technical solution

Mechanical properties

- Thickness : 1,0mm
- Weight : 1,25 kg/m²
- Shear strength: 9 N/mm²
- Elongation at break: > 300 % (elastic behavior)
- Puncture resistance: 600 N and displacement > 100 mm
- Flexibility in low temperature: -45°C
- High friction angle: 27,5°

Assembly system

Firestone has developed a complete waterproofing system that makes the assembly and details easy, safe and durable.



A wide variety of roll sizes

Standard lengths

30.50 – 45.75 – 61.00 m

Standard widths*

3.05 – 4.27 – 6.10 – 7.62 – 9.15 – 12.20 – 15.25 m

Thickness

1.0 mm



**There are 16 standard widths available in total, but please note that not all standard widths are available in all lengths. The availability of the widths and lengths of the panels may vary depending on the country.*

Marking and certification

Traceability

A specific marking on the product allows identifying and tracing the Firestone PondGard membrane. The marking, composed by a 7-digit serial number, product name (PNDG), material type (EPDM) and Firestone logotype ensures the product's authenticity.



International certifications

The Firestone PondGard membrane has obtained the CE marking, showing that it meets current European requirements for safety, health, environment and consumer protection.



Firestone has also obtained the ISO 9001 and ISO 14001 certifications, which are a reflection of Firestone's commitment to quality and to the environmental management of its factories.

As part of these certifications, regular controls are made in Firestone factories to check the production process, monitoring quality controls and the finished product. As a result, Firestone can ensure that its PondGard membrane is of consistent high quality.

PondGard Official Partners and Installers

Firestone is represented worldwide by a network of Official Partners specialized in the field of decorative ponds. They are able to provide a complete solution for all elements of the pond (pumps, filters, decorative elements, etc.). Their technicians, trained at technical seminars conducted by Firestone, and their network of Official Installers guarantee a quality installation.



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Firestone
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| FOR FURTHER INFORMATION, PLEASE CONTACT YOUR LOCAL FIRESTONE PONDGARD DISTRIBUTOR
OR FIRESTONE BUILDING PRODUCTS |

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