

Traditional Pool Conversion Into a Natural Swimming Pond - Italy

Firestone



Lining for Life™

Firestone PondGard™ EPDM

The Natural Solution to a Refreshing Swim



For an Italian family living in the beautiful surroundings of Lake Garda, the time to move from a traditional swimming pool to a natural swimming pond had come. The desire to swim in a refreshing, chemical-free and minimal maintenance pond was of paramount importance.

The customer commissioned Biolaghi e Giardini due to their extensive experience and understanding of converting a traditional pool into a natural swimming pond.

Ensuring that the customer's needs were met, it was essential that Biolaghi e Giardini selected a lining system that fully delivered to the project scope.

Quick Facts

Project scope:

- Convert a traditional pool into a natural swimming pond that requires minimal maintenance
- Use a membrane with a low impact on the environment
- Create a natural fresh water-swimming environment, which is completely chlorine free
- Naturally aesthetic finishes

Challenges faced:

- Work within the existing pool construction, ensuring there was little disruption to the surrounding landscape
- Deliver a natural looking pond which did not replicate a blue or green traditional pool

Solutions offered by

Firestone PondGard™ EPDM:

- Chemically inert waterproofing membrane with a low carbon footprint
- Long-term durability
- High elasticity (>300%)
- Puncture resistance
- Quick and easy installation
- Pond has a very natural look when filled with water



FM 32845



EMS 52644

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Excellent durability, superior physical properties and high flexibility to adapt to the existing shape of the old pool, plus the bonus of minimal environmental impact, were just some of the characteristics that resulted in the choice of the Firestone PondGard™ EPDM membrane.

It was important that there was minimal disruption to the landscape during the construction of the project. Work had to be conducted in the existing swimming pool; the flexibility of the Firestone PondGard EPDM membrane made this an easy process.

The water is produced via phyto-purification, which is a natural process whereby water self-purifies through a series of biological reactions and filtering, which is activated by aquatic plants and the substrate. A new wall was constructed to create the wetland area, which incorporated the water plants and drainage pipe. There were minor construction changes to the surrounding slopes and a drainage system was added.

Another core project requirement was to ensure that the new swimming pond needed little maintenance and that the overall aesthetic look of the pond was very natural. A geotextile was glued onto all of the existing pool surfaces and then the EPDM membrane was glued onto the geotextile. This further improved the puncture resistance and durability of the Firestone PondGard EPDM membrane and hid any imperfections from the existing pool.

The Firestone PondGard EPDM membrane gives a natural appearance under the water and aesthetically enhances the look and feel of the garden landscape.

With the combination of the phyto-purification process delivered by Biolaghi e Giardini and the Firestone PondGard EPDM membrane, its chemical inertness, resistance to algae and microorganisms, and the fact it does not release chemicals into the environment delivered a natural, chemical-free swimming experience.

For more information, visit: www.biolaghiegiardini.it



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