



PENTARM POOLS





PENTARM

Experience the Difference

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TRUSTED BY MORE THAN 1,000,000 CUSTOMERS WORDLWIDE

Fastest Growing Fiberglass Pool Brand in North America

Largest Network of Authorized Pool Dealers

PENTARM POOLS is the leading distributor of fiberglass pools in Canada, proudly featuring the largest network of authorized dealers and pool installers throughout North America. We are the exclusive distributor of iGUi Pools, the world's largest fiberglass pool manufacturer, and our reach extends to over 52 countries around the globe.



PENTARM POOLS Mission & Vision

At PENTARM POOLS, our dedication shines brightly in delivering an unparalleled experience to homeowners and industry professionals. We strive to elevate industry benchmarks consistently, maintaining our ethos of prioritizing superior customer service over short-term gains. To us, pools are not merely physical structures. They are integral assets to homes, fostering familial unity and moments of unparalleled joy and tranquility.

EXPERIENCE THE DIFFERENCE

In the journey of sustained growth and expansion, PENTARM POOLS aspires to be the leader in the pool industry, championing innovation and redefining industry standards on a global scale. Our ambition extends beyond the distribution of pools. We aim to craft and deliver exceptional experiences, reflecting the epitome of elegance, wellness, and the transformative essence of water to homeowners worldwide.



Learn More
About Our Journey

FULLY TILED FIBERGLASS POOLS









HISTORY OF

CERAMICS



The art of ceramics has been manifested in the culture of people since ancient times. The study of techniques for creating and decorating ceramic objects is considered the "alphabet" of archaeologists and historians, as it provides a secure basis for reconstructing many aspects of life in ancient civilizations. Thousands of years ago, the earliest inhabitants of the planet realized that their footprints left in wet clay retained their shape once dried. They noticed the malleable property of clay and, recognizing its potential, began to mold it to make domestic life easier. They eventually discovered that objects crafted from clay became waterproof after drying. The advancement of ceramics required a pivotal discovery: fire. High temperatures gave the objects added strength and durability. With the use of ceramics, humanity started to blend art with everyday survival, leading to the creation of household containers, construction bricks, figurines, dishes, and urns for storing grains and seeds, for transporting water, and for keeping wine, oils, and perfumes. Ceramics even served as "paper" for writing.People from the farthest reaches of the Earth have mastered this art for millennia. Archaeological findings indicate the existence of pottery from as early as 10,000 years BCE in regions such as England, Belgium, and Germany, and from 6,000 years BCE in South America. In Japan, the oldest known pottery pieces, discovered in areas once inhabited by the Jomon culture, date back approximately 8,000 years. It is believed that China has been producing ceramics since the first millennium BCE. This tradition is considered one of the greatest in the world, not only for the beauty and technical quality of the ceramics but also for their significant influence in both Asia and the West. China has







maintained a continuous tradition of crafting fired and glazed pottery that depicts life across different eras, with clay representations of barns, fish ponds, animals, and games. Fired dishes were also produced, symbolizing the golden age of Chinese Porcelain. Throughout history, manufacturing





techniques have evolved based on the directives, priorities, and preferences of the Emperors, reflecting the different dynasties over the years.

In 2012, the oldest ceramic bowl, with a diameter of 20 cm, was considered by experts as a "very rare example" and was auctioned in Hong Kong for 26 million dollars. In Asia, ceramics are said to have the colour of the sky after the rain. In Egypt, a beer factory, which is believed to have been built and commissioned 5,000 years ago, has been discovered through archaeological site studies. This factory is considered to be the oldest example of a production factory in the world, capable of producing up to 22,400 litres of beer. The ceramic jars that contained wine, oils, perfumes, and other liquids for religious purposes were used by most cultures throughout the world. In Egypt, pottery and ceramic production were commissioned by the pharaohs, and the items were found in large quantities, indicating the importance of the items. Various studies indicate

This evolution represented artistic advancements, culminating in a deep understanding of a civilization's cultural state through the study of the ceramic artifacts they produced. In the Mediterranean, an unknown worker invented the potter's lathe, allowing for the creation of vessels with smooth surfaces and uniform thickness in a relatively short time. This wooden wheel, operated by a pedal, was created around 2000 BCE, and it can be said that its design is still in use today. For many centuries, the Greeks produced some of the finest ceramics in the Mediterranean world. The renown of Athenian "Vaseiros" persists even today, notable for their dishes and glasses with delicate finishes, often characterized by a black or blue background adorned with scarlet designs. Additionally, in Italy, craftsmanship flourished. Notably, the Etruscans, in the



middle of the second millennium before Christ, decorated not only squares but also the mansions of the current princes with bizarre shapes, reminiscent of vases and bright and vague oriental designs.

The tile in Portugal, as monumental wall cladding, became one of the most expressive ornamental arts, gaining great prominence during the 18th century. Palaces were lined with tiles on their interiors. However, it was from the 17th century, with regular production in Lisbon, that this ceramic excellence was consolidated, being used in churches, convents, and both noble urban and rural palaces. The ceramics of archaeology, found in the layers of time buried in the soil of the Old World, were found in large quantities among the remains of stilt houses and homes, fragments of large and fine wine or beer chalices, with shapes that have stood out for thousands of years. In Brazil, long before the arrival of the Portuguese, different indigenous peoples were already crafting ceramic pieces in various styles. Over 1,500 years ago, the people who inhabited the Marajó Island worked with ceramics, painting them in black, white, and red, and decorating them with geometric designs. Today, this type of ceramic, called Marajoara, is highly regarded in Brazil and is produced in craft workshops in the region.

The history of ceramics is intertwined, in a certain sense, with the history of civilization itself: the vases and the places where they were found, in many cases, are the only evidence through which we can reconstruct the way of life, habits, religion, and even the movements of ancient peoples and emperors. Currently, companies of the latest generation use ceramics as an advanced technology, aiding in medicine, in the direct manufacture of components, utensils used in aeronautics, electronics, and even in the production of essential goods. Developed with state-of-the-art materials, ceramics of exceptional quality finally enabled humanity, after nearly 15,000 years, to reach the moon, thus realizing an ancient dream. The dazzling achievements, over the course of history, made it possible to use the figure of the tile in monumental, palatial, religious, and popular buildings and to transfer its colors to personal objects. The technology developed by iGUi, completely changed the way we envision the future using ceramics that have been part of our past. "Each piece has its place." With unmatched sophistication and durability, iGUi offers a line designed with continuous investment, celebrating a material that has been enchanting humanity since ancient times. The shine of porcelain, in the





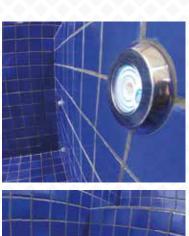
tiles, and ceramics with unmatched quality, takes on new meaning, strengthening its role in the comfort of families.

This once again proves that iGUi, recognized globally as an industry leader, remains committed to upholding the highest international standards. Reports suggest that the use of seawater dates back to 300 BCE, when the Greeks incorporated sea-gems into their practices, believing they symbolized cleanliness, happiness, and auspiciousness for love and marriage. Legend has it that these sea-gems were associated with mermaids as they were gifted by Neptune, exuding an unmistakable blue that adds a unique dazzle to iGUi Pools (PAPETI). The spectacular colour kaleidoscope of iGUi ranges from light blue to navy, infusing the richness of coral hues, resonating with the profound depths of the seas."It embodies the ideal blend of high-performance technology with a deep respect for Mother Nature, thus bestowing iGUi with unparalleled refinement, sophistication, and responsibility."The pursuit of perfection is rigorous, with every detail playing a crucial role, and the outcome is often more profound than what is immediately apparent. With perseverance, dedication, commitment, and genuine care, transformation becomes possible. Embracing this innovative approach, iGUi has revolutionized the way we perceive the use of ceramics, paving the way for products developed exclusively from ceramics. Witness the magic for yourself! Every piece has its designated place, highlighting the optimal use of ceramics, and delivering an unmatched aesthetic appeal. Components boasting a titanium finish are precision-cut to fit each ceramic piece perfectly. This meticulous approach is based on our extensive research and experience, backed by data from almost one million

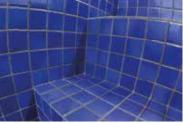
DISCOVER

THE EXTRAORDINARY

Our exclusive, patented ceramic collection features fully-tiled swimming pools with premium ceramic tiles, each measuring 2.95 inches by 2.95 inches. The manufacturing of our ceramic pools is truly unique, as the fiberglass pools are fabricated using molds designed specifically for this purpose. The pool shells then undergo a meticulous tiling process carried out by skilled experts, guaranteeing uniformity across the entire pool. Unlike other pool types, our molds are specifically engineered to accommodate an exclusive tile size that ensures a perfect fit—resulting in a flawless appearance. The precision of the design ensures that there are no cuts on any of the tiles, allowing them to conform perfectly to every contour of the pools, including corners, edges, and steps. This level of detail epitomizes absolute perfection. Safety is as much a priority as luxury, with tiles for the steps featuring a non-slip grip and safety corners to ensure the well-being of everyone at all times. Our ceramic collection sets a new luxury standard for modern pools, backed by the rigorous research, inspections, and advanced technology of the world's premier fiberglass pool manufacturer. Choose from six stunning ceramic tile options for the market's most luxurious pools.















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LUSTRATIVE IMAGES|ALL MEASUREMENTS ARE APPROXIMATE.

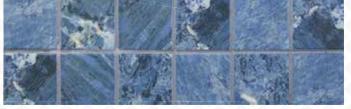
EXCLUSIVE TILE OPTIONS FOR OUR CERAMIC COLLECTION



Gold 2.95" x 2.95" (7.5 cm x 7.5 cm)



Papete 2.95" x 2.95" (7.5 cm x 7.5 cm)



Morea 2.95" x 2.95" (7.5 cm x 7.5 cm)



Sarandi 2.95" x 2.95" (7.5 cm x 7.5 cm)



Bali 2.95" x 2.95" (7.5 cm x 7.5 cm)



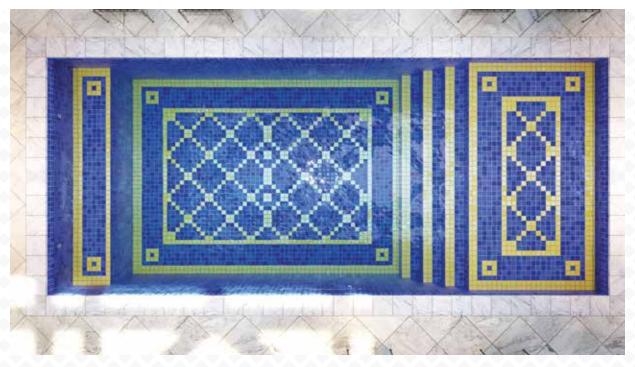
Cook 2.95" x 2.95" (7.5 cm x 7.5 cm)



Fiji 2.95" x 2.95" (7.5 cm x 7.5 cm)





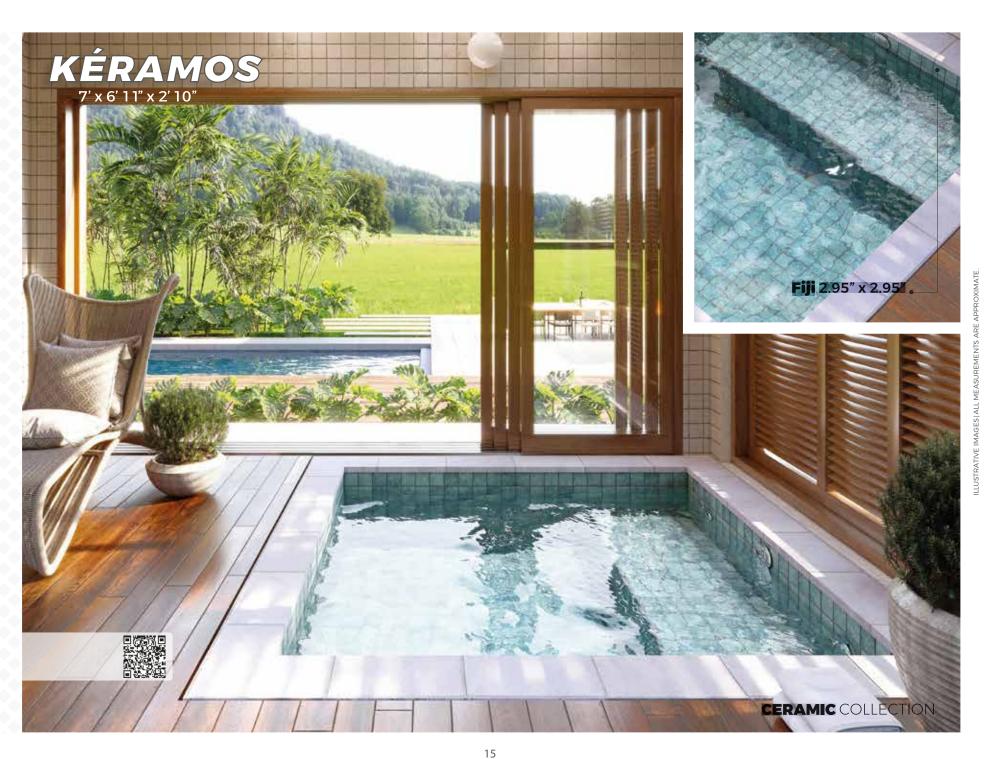




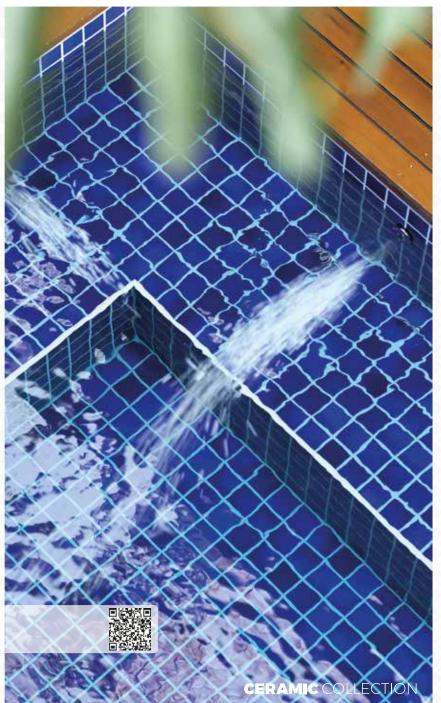










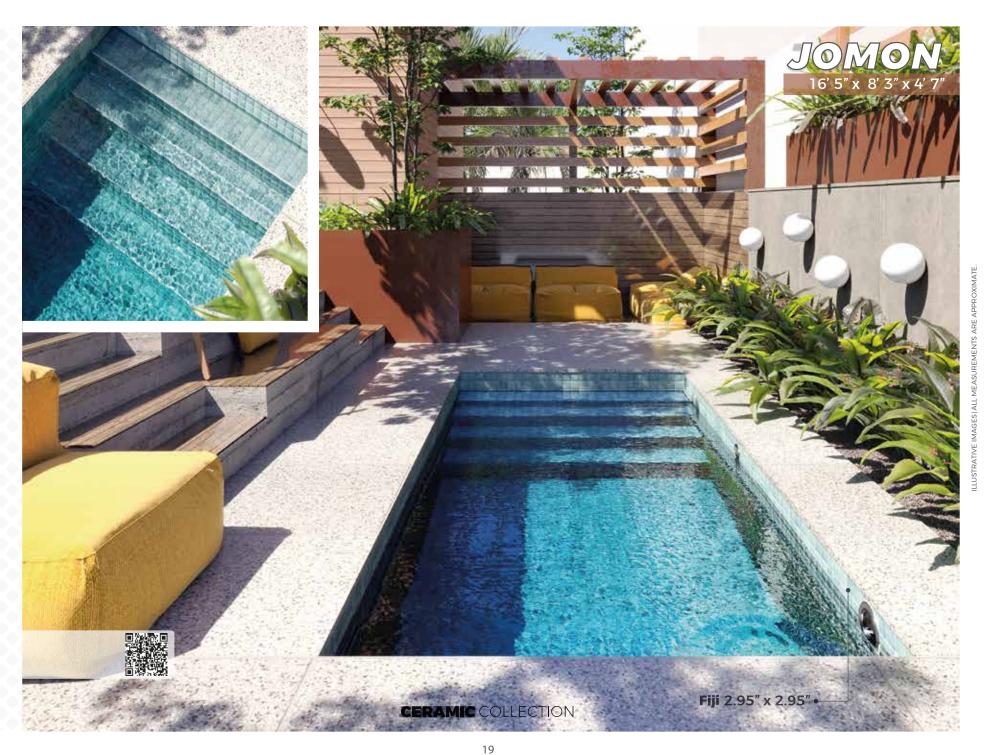










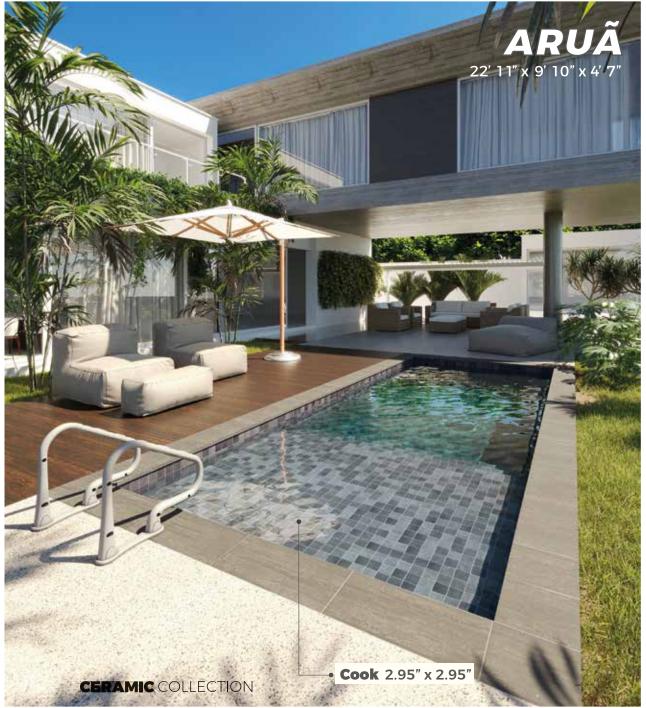
















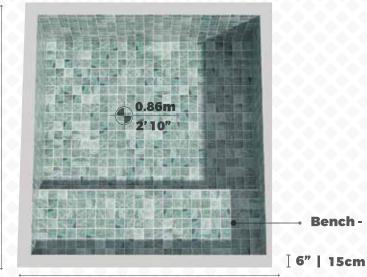
Technical Drawings

CERAMIC COLLECTION

KÉRAMOS

7' x 6' 11" x 2' 10"

Ceramics have been around for approximately ten thousand years, making it one of the earliest materials crafted by humans. Derived from the Greek word "kéramos," its name translates to "burnt earth" or "burnt clay," signifying its remarkable durability and resistance. The evolution of ceramics is deeply entwined with the progression of civilization.



6'11" | 2.11m

JIVARO

7' x 6' 11" x 2' 10"

Drawing from the mythological ties of clay to the Earth, its intimate connection with women emerges, as highlighted by a Jivaro legend—a tribe situated at the border of Ecuador and Peru. In their language, clay is denoted as 'NUI'. Their ceramic lore intertwines this element with the very genesis of the world.



Bench - 1'9" | 54cm

6'11" | 2.11m

7' | 2.14m

FAENZA

10' x 7' 5" x 2' 10"

The 'Faenza' school became so renowned that it lent its name to all ceramic pieces that originated from Italy and spread across Europe. This is how we get the term 'faiança' in Portuguese and 'faience' in English, both echoing the name of the ancient Roman city.



. L-Bench - 1' 9" | 54cm

[6" | 15cm

10' | 3.05m

PUEBLA 10' x 7' 5" x 2' 10"

Recognized as a UNESCO World Heritage Site, Puebla's historic center captivates visitors with its iconic feature: tiles that adorn the facades of many buildings. These tiles are crafted using a globally unique ceramic technique known as Puebla's Talavera, earning the city the esteemed designation of "City of Tiles."



Clear Acrylic Wall

L-Bench - 1' 9" | 54cm

[6" | 15cm

10' | 3.05m

Technical Drawings

CERAMIC COLLECTION

ÁTICA

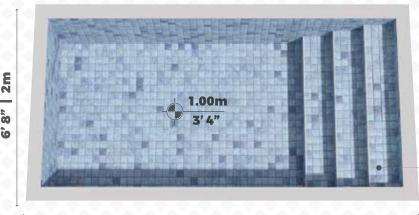
13' 1" x 6' 8" x 3' 4"

Atica pottery refers to the ceramics produced in the region centered around Athens. With approximately 20,000 pieces of black-figure Atica pottery, it stands as the most extensive and notably significant collection, surpassed only by its counterpart, the Atica red-figure pottery. Potters in the region took advantage of Atica's superior iron-rich clay.

JOMON

16' 5" x 8' 3" x 4' 7"

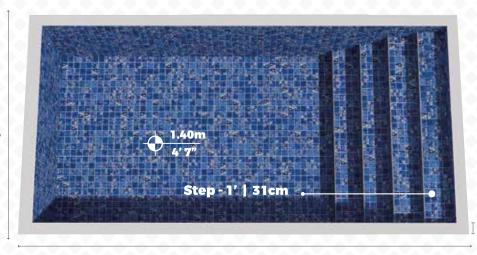
Jomon pottery refers to ancient ceramics produced during Japan's Jomon period. The name "Jomon" means "cord-marked" in Japanese, which describes the distinctive patterns created by pressing cords into the clay. These pieces are widely acknowledged as the world's earliest ceramic vessels.



Step - 1' | 31cm

I 6" | 15cm

13' 1" | 4m



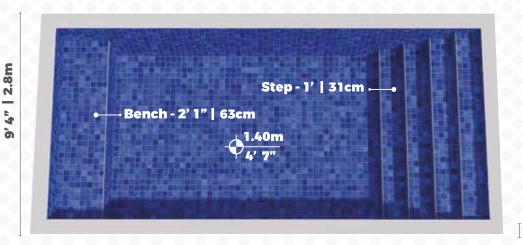
6" | 15cm

16'5" | 5m

MARAJOARA

19'10" x 9'4" x 4'7"

Marajoara denotes the people of Marajó Island. Between 400 AD and 1400, the Marajoaras excelled in creating sturdy and aesthetically pleasing ceramic artifacts. The Marajoara era is renowned for its exceptional diversity in ceramics. Their repertoire included vases, statuettes, plates, benches, and a plethora of other items.



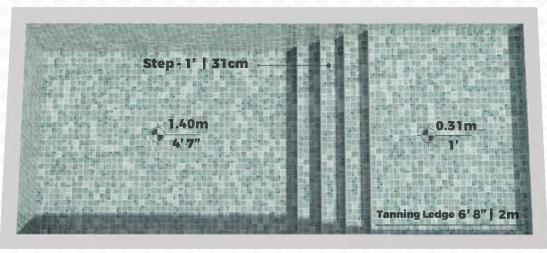
8" | 20cm

19'10" | 6m

AURÃ

22' 11" x 9' 10" x 4' 7"

Numerous researchers have outlined five distinct phases representing the indigenous tribes that inhabited Marajó Island: Ananatuba, Mangueiras, Formiga, Marajoara, and Aruã. These tribes showcased over 15 unique techniques in their craftsmanship. Regrettably, this rich culture vanished around 1350.



8" | 20cm

22' 11" | 7m

CERAMIC COLLECTION

MONTELUPO

26' 3" x 13' 2" x 4' 7"

Montelupo Fiorentino emerged as a pivotal hub for ceramic craftsmanship during the Italian Renaissance, most notably for its tin-glazed pottery, recognized in Italy as Montelupo Maiolica.

13'2" | 4m



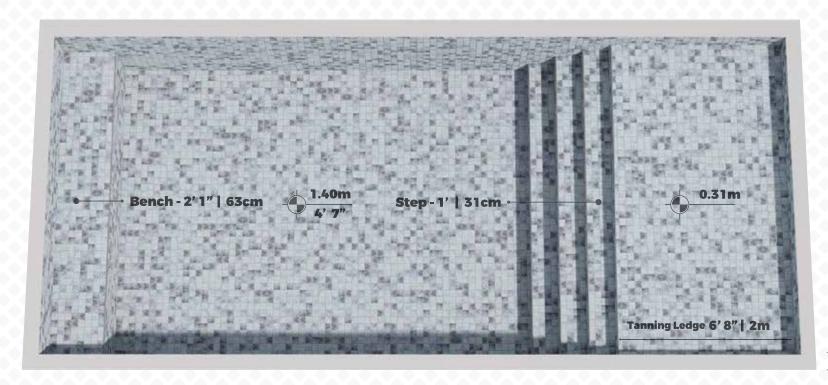
8" | 20cm

26' 3" | 8m

FÈS BLUE

29' 7" x 13' 2" x 4' 7"

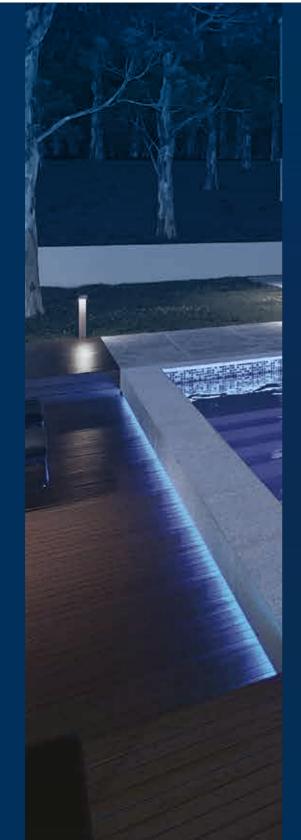
Fès Blue Ceramics Cooperative is a Moroccan renowned cooperative that produces one of the world's most famous ceramics, known as Fès Blue. The place is amazing, matched only by the remarkable talents of the artists who have worked and trained there.



8" | 20cm

29'7" | 9m

WATERLINE TILED FIBERGLASS POOLS





9" Waterline

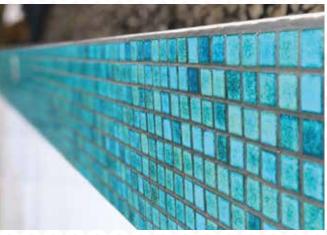
Porcelain Tiles

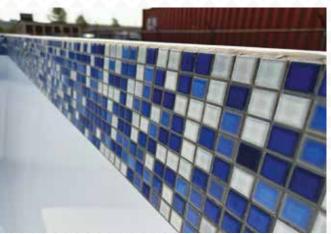
In our Mosaic Collection, we feature 9 inches of waterline tiles, crafted from 1" x 1" premium porcelain tiles. The waterline porcelain tiles are not just an optional addition; they are an inherent component of our Mosaic Collection, thoughtfully integrated during the manufacturing process to ensure a consistent design and impeccable finish.

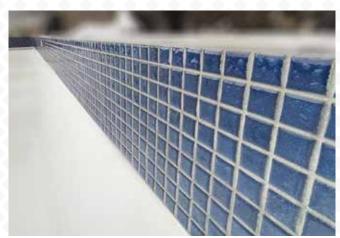
Our pool molds are specially designed with recessed spaces, allowing for the tiles to be seamlessly embedded within the pool's structure. This integration ensures the placement of tiles aligns flawlessly with the pool's surface, creating a smooth, uninterrupted appearance.

Explore our Mosaic Collection, offering a selection of six unique porcelain tile options for your preference.



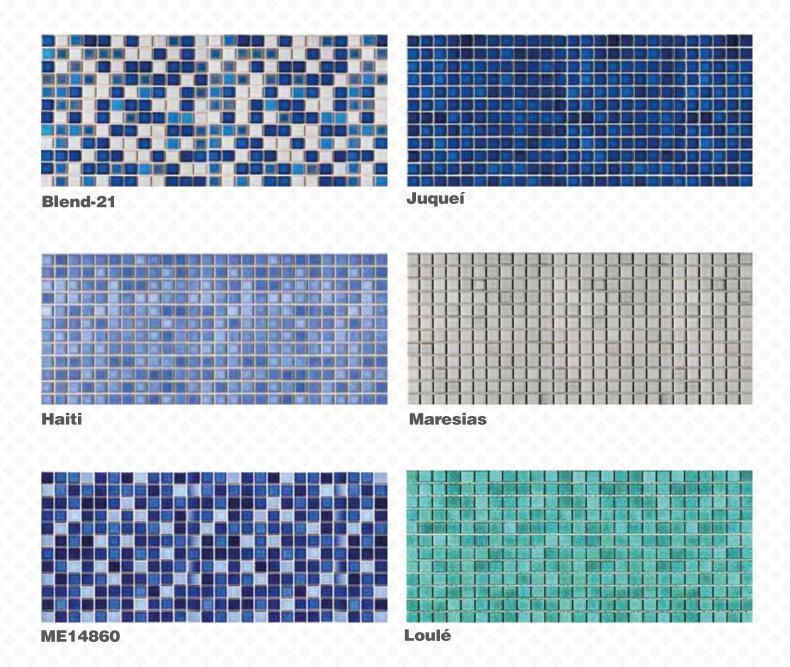






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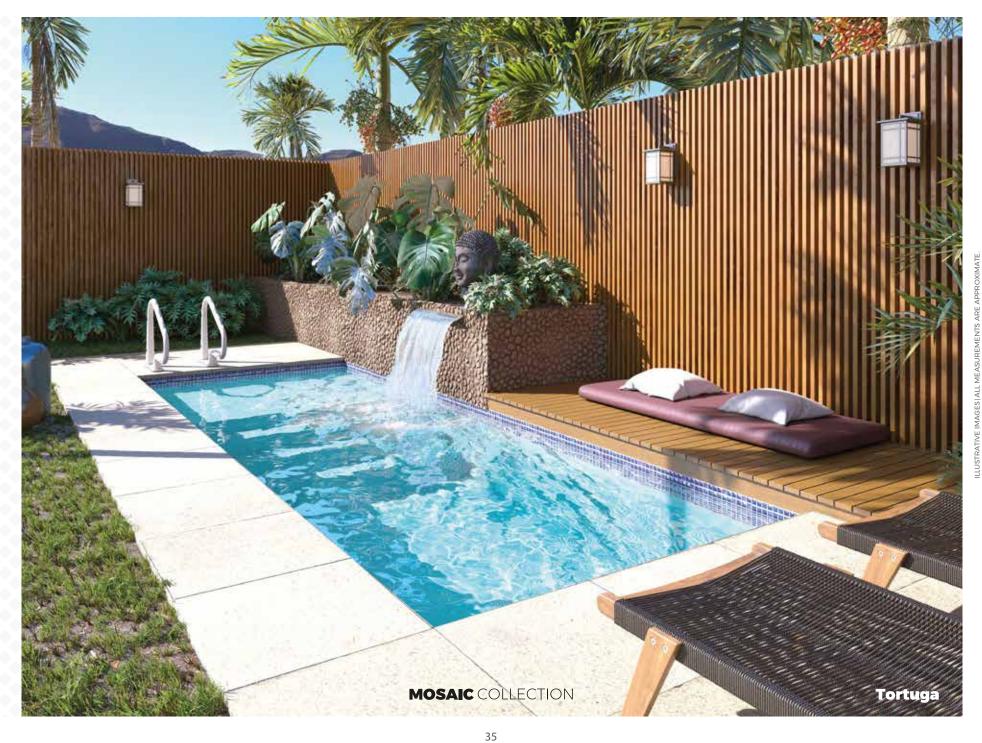
EXCLUSIVE TILE OPTIONS FOR OUR MOSAIC COLLECTION



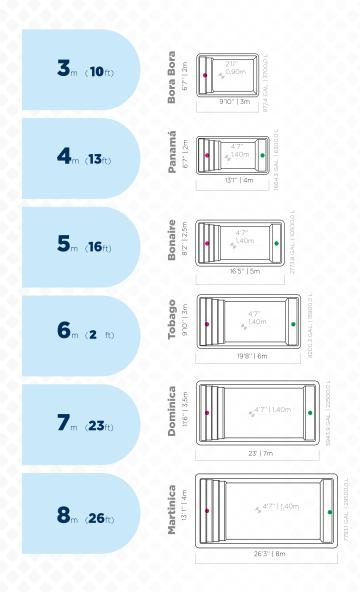












MOSAIC RECTANGULAR

Step into a realm where luxury meets versatility with our mosaic rectangular fiberglass pools, each adorned with exclusive porcelain waterline tiles that elevate the aesthetic to sublime levels. This collection is thoughtfully designed with a full-width bench, offering not just comfortable seating but also the therapeutic caress of hydrotherapy jets. Coupled with full-width entry and exit steps, it provides ease and accessibility for all. Each pool is a harmonious extension of your home, meticulously crafted to complement any architectural design, thereby enhancing the visual allure of your property. The generous, flat bottom design beckons with ample space for both invigorating swims and playful splashes, accommodating a range of activities. With a vast selection of sizes, you can select the perfect model for your property, ensuring that your pool is not merely an addition, but a natural extension of your living space.







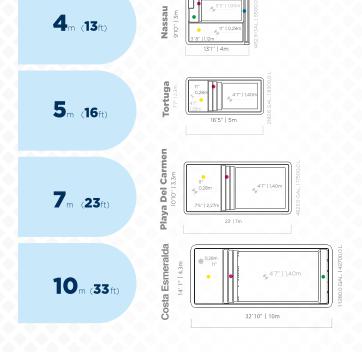
Shell Colors





MOSAIC WITH TANNING LEDGE

Discover the epitome of backyard luxury with our signature collection of mosaic tanning ledge pools, each a testament to refined elegance and impeccable craftsmanship. This range of pools, part of our distinguished mosaic collection, showcases stunning waterlines with exclusive porcelain tiles, turning every swim into a luxury experience. The design transcends the conventional, offering a resort-like oasis that seamlessly merges a spacious, perfectly-tiled sanctuary within its embrace. The allure of each pool is amplified by the distinctive full-width tanning ledge, offering a chic and secure haven for sun lovers to luxuriate in the warmth of golden rays. Comfort is redefined with a full-width bench that weaves through the design, providing an inviting niche for leisure and social interaction amidst the tranquil waters. Catering to diverse activities, the flat-bottom design of these pools accommodates everything from high-spirited play to serene relaxation, making it ideal for any property. Choosing a pool from this collection doesn't just enhance your property-it transforms your space into an exceptional retreat.





Tortuga

16' 5" x 7' 7" x 4' 7"



Shell



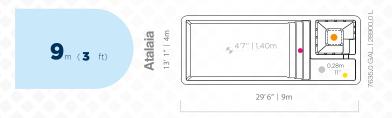
Costa Esmeralda

32' 10" x 14' 1" x 4' 7"



MOSAIC WITH BUILT-IN SPA

Immerse yourself in the unparalleled sophistication of this luxurious pool, a gem in our mosaic collection that includes a built-in spa and tanning ledge for the ultimate backyard delight. Picture yourself gliding through the luxurious embrace of waters framed by exclusive waterline porcelain tiles that promise a swim in unmatched luxury. In these moments of guiet splendor, find your daily stresses dissolving into the tranquil depths, as peace settles over you like a cherished blanket. This architectural marvel offers more than a mere swimming spot; it invites you to a spa experience within its spacious, artfully tiled embrace, without ever leaving the pool. Transition seamlessly from the comforting embrace of the spa to the serene glow of the tanning ledge, unwinding in the sun's warm and splendid radiance. Tailored for family enjoyment and safety, this luxurious pool elevates the aesthetic appeal and recreational value of your home and promises a meaningful return on investment. By choosing this pool, you are not merely acquiring a place to swim-you are investing in a sanctuary of memories that will last for years to come.





Atalaia 29′ 6″ x 13′ 1″ x 4′ 7″





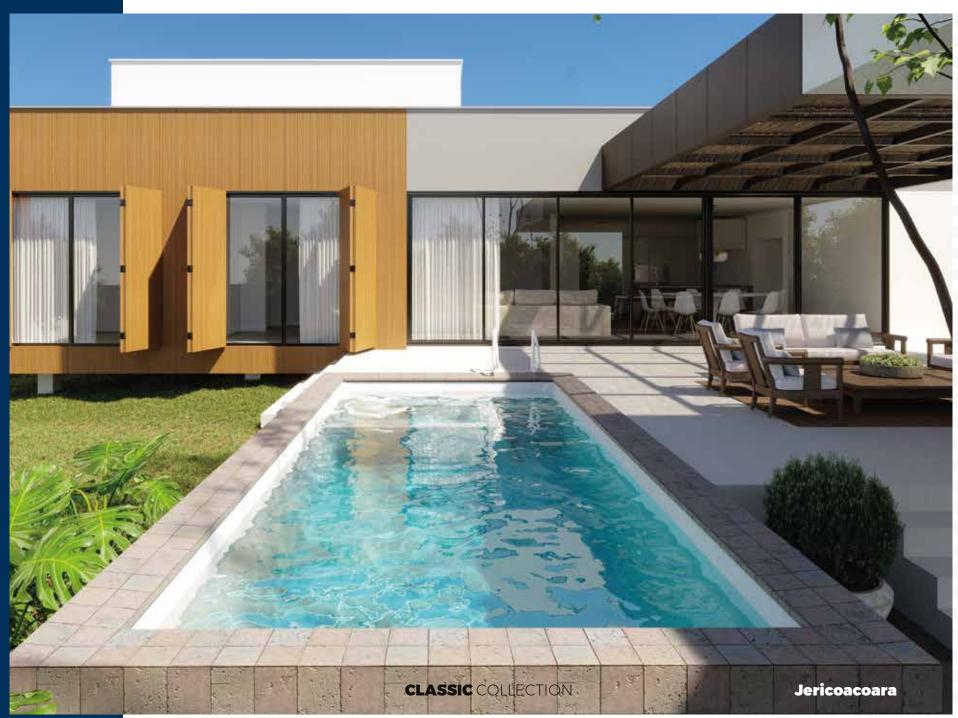


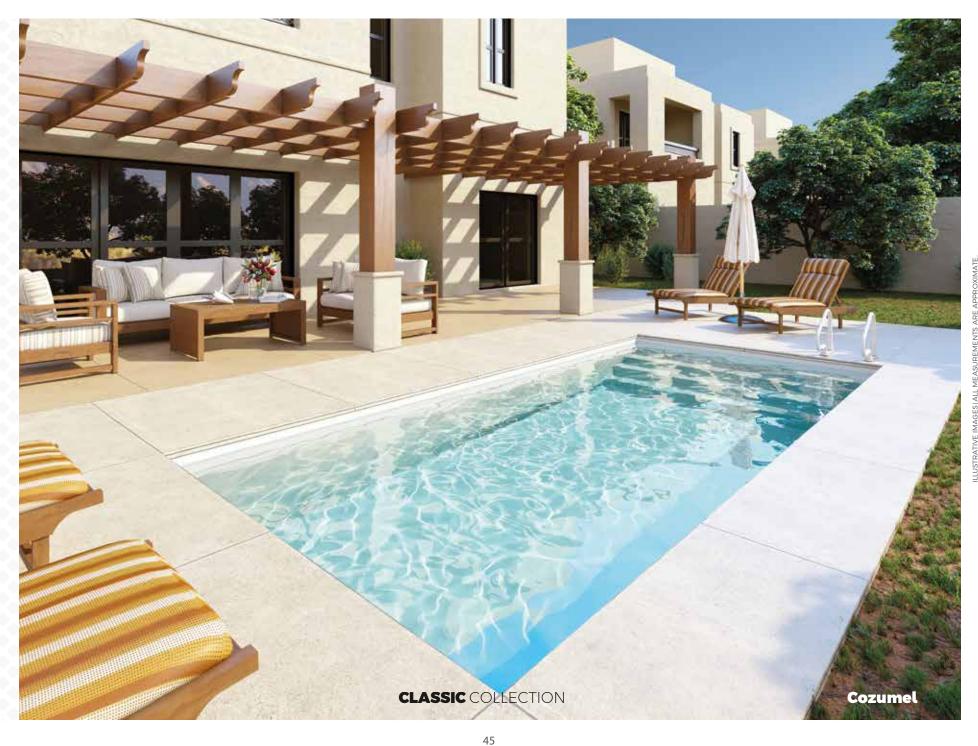
MOSAIC COLLECTION

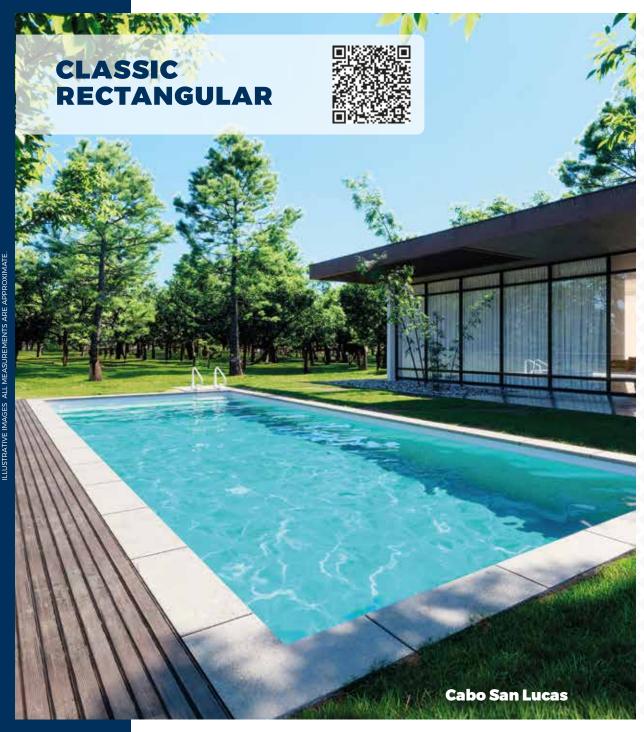
CLASSIC FIBERGLASS POOLS



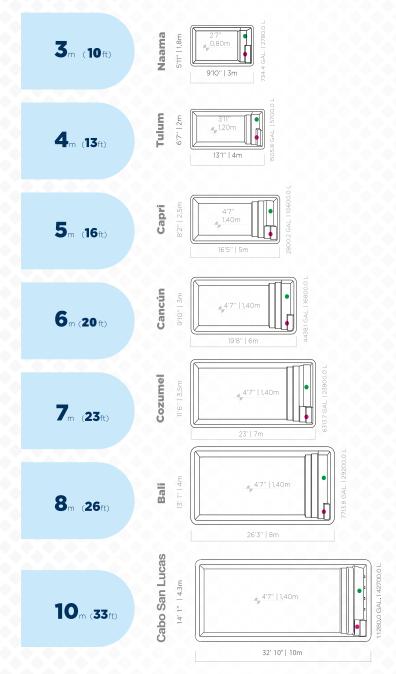










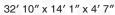


CLASSIC RECTANGULAR

Transform your property to a realm of elegance with our popular rectangular pool collection, meticulously designed to harmonize with any architectural style. This collection features a full-width bench and entry & exit steps, combining comfortable seating with the rejuvenating power of hydrotherapy jets for a spa-like experience. The flat bottom feature of the pool provides room for swimming and play, ensuring enjoyment for all ages at all times. With a wide selection of sizes available, you can find the perfect fit to enhance the look and feel of your property, making it a desirable retreat tailored to your lifestyle.



Cabo San Lucas





Bali

26' 3" x 13' 1" x 4' 7"



Cozumel

23' x 11' 6" x 4' 7"



Cancún

19' 8" x 9' 10" x 4' 7"



Capri

16' 5" x 8' 2" x 4' 7"



Tulum

13' 1" x 6' 7" x 3' 11"



Naama

9' 10" x 5' 11" x 2' 7"



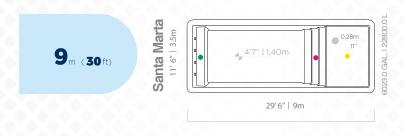




RECTANGULAR WITH TANNING LEDGE

Santa Marta 29' 6" x 11' 6" x 4' 7"

Experience the pinnacle of luxury with a rectangular tanning ledge fiberglass swimming pool that offers an unmatched tanning experience. Relish the sun's glow from the comfort of the rectangular tanning ledge, a standout feature of this stunning fiberglass swimming pool, which offers a delightful gathering place for quality time with family and friends. Safety is a paramount feature, with the tanning ledge and flat bottom design offering peace of mind for families with children and pets, helping to create unforgettable memories. Additionally, the full-width bench invites you to unwind and enjoy the therapeutic benefits of hydrotherapy and relaxation. This pool is a true haven for those who seek the serenity of a personal retreat and the joy of social leisure.





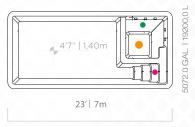


RECTANGULAR WITH BUILT-IN SPA

Maximize the potential of your outdoor living area with a pool and spa combination that is as stylish as it is functional. This sophisticated feature allows you to enjoy the opulence of a spa experience without ever leaving the comfort of your home. With the built-in spa, you can effortlessly transition from a vigorous swim in the pool to a soothing soak in the spa, enjoying the pinnacle of convenience and relaxation in one integrated space. The pool's flat bottom feature and generous size prioritize your family's safety, ensuring a secure environment for all. Beyond its practical benefits, this pool becomes the focal point of your outdoor space, inviting and impressing with its seamless blend of elegance and utility.

7_m (23_{ft)}

Jericoacoara

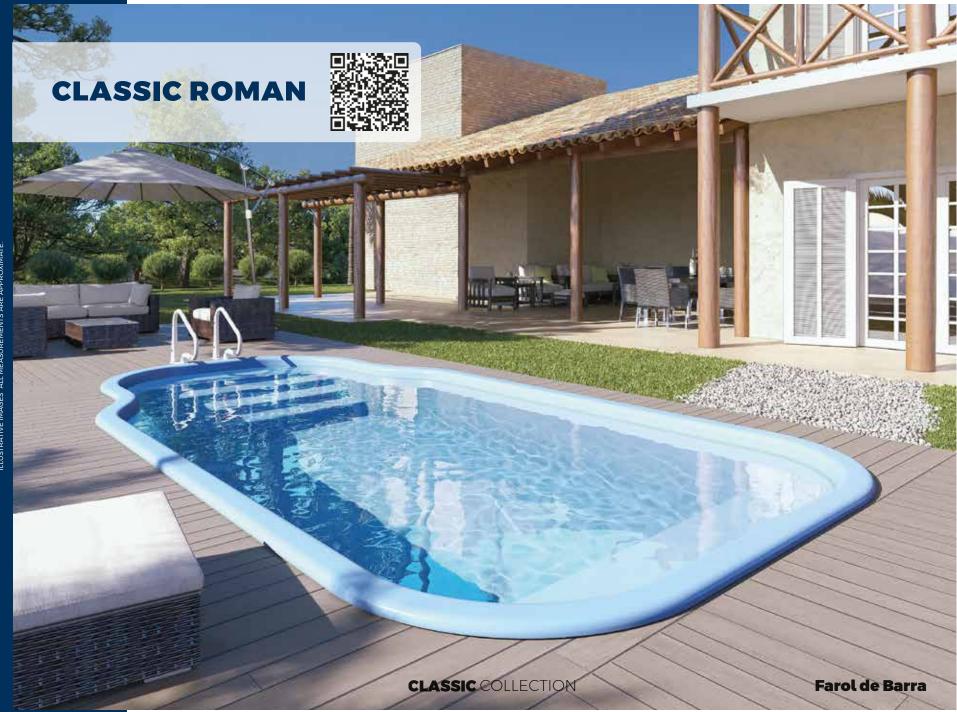




Jericoacoara 23' x 10' 10" x 4' 7"









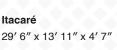
CLASSIC ROMAN

Elevate the beauty of your backyard with a luxurious and timeless Roman fiberglass pool, featuring a grand entrance that highlights its elegant design. Experience ultimate relaxation on the full-width bench, while the flat bottom feature ensures safety and usability. With ample space for swimming and water games, this pool enriches family time and social gatherings, blending classic style with the joys of relaxation—a true centerpiece for your backyard.



Praia Brava

32' 10" x 14' 9" x 4' 7"



29' 6" x 13' 11" x 4' 7"



Armação

26' 3" x 13' 1" x 4' 7"



Amaralina

23' x 11' 6" x 4' 7"



Farol Da Barra

19' 8" x 9' 10" x 4' 7"



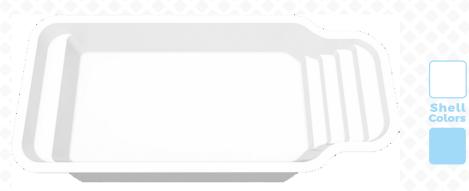
Atlántida

16' 5" x 8' 2" x 4' 7"



Imbé

13' 1" x 6' 7" x 3' 11"





Shell



CLASSIC HAWAIIAN

Experience the rejuvenating allure of a Hawaiian pool that creates an all-inclusive vacation ambiance. Transform your backyard into a luxurious resort with the pool as the captivating centerpiece. The pool's elegant design prioritizes safety with a flat bottom feature, allowing children and pets to play with peace of mind. Enjoy a comfortable and relaxing experience in the pool with the full-width bench when you need a break from swimming. The Hawaiian collection isn't just a pool; it's a place of relaxation, a statement of style, and a commitment to family safety all rolled into one.



Poipu

32' 10" x 13' 3" x 4' 3"



Waikiki

19' 8" x 8' 6" x 4' 3"



Makalawena

29' 6" x 11' 6" x 4' 3"



Ke'e

16' 5" x 7' 10" x 3' 11"



Oneloa

26' 3" x 9' 10" x 4' 3"



Kaanapali

13' 1" x 6' 7" x 3' 3"



Kapalua

23' x 9' 2" x 4' 3"



Hulopoe

11' 6" x 5' 11" x 2' 7"





SUSGIMODIGY



Choose Wisely, Cut Emissions, Protect Our Planet!



IGUi also encourages scientific programs, such as:

Development Project of methodology for comparative calculation of greenhouse gas (GHG) emissions between the construction processes of fiberglass pools (P.R.F.V.) and concrete pools." This project under the coordination of Prof. Dr. Jorge Alberto Villwock (Institute of the Environment), Prof. João Marcelo Ketzer (Center of Excellence in Carbon Storage Research - CEPAC and Eduardo Bandeira Maia (CEPAC) of the Pontifical Catholic University of Rio Grande do Sul, was held in 2007.

Today, it is known that greenhouse gases (GHG), primarily carbon dioxide (CO2), are the main contributors to heat retention and the maintenance of the Earth's surface temperature. Human-generated GHG emissions result in the "abnormal" warming of the atmosphere, leading to global climate changes.

Through reports, the IPCC (Intergovernmental Panel on Climate Change) has been alerting the world to the causes and consequences of human activities on the planet's climate. There is now a correct understanding of the cause-and-effect relationship involved in global warming, and mitigation actions are increasingly being disseminated and implemented, whether by the public sector (governments, states, and even municipalities), businesses, or civil society, with the aim of reducing their impact on increasing GHG concentrations in the atmosphere Companies are seeking to reduce their emissions through changes in their activities, either directly,



by identifying emission sources through emissions inventories and creating portfolios of mitigating actions (including the adoption of more efficient and lower-emission processes and materials), or indirectly, by promoting the reduction of emissions in other sectors or by offsetting emissions through common carbon sequestration practices (e.g., tree planting).

The primary objective of this project is to apply the methodology to calculate the amount of CO2 emitted in the manufacturing and construction processes of a 4 meters by 8 meters fiberglass-reinforced plastic (P.R.F.V.) pool by iGUi and to compare it with the GHG emissions from the traditional method of constructing concrete pools.

The emission calculation tools used by the GHG Protocol are compatible with ISO 14064 standards (International Organization for Standardization) and align with the goals set by the IPCC (Intergovernmental Panel on Climate Change).

The final analysis of the results shows a significant difference between GHG emissions related to the construction process of the P.R.F.V. pool and the concrete pool. According to this study, the P.R.F.V. pool emits approximately 223 kg of CO2 during its construction process, whereas the concrete pool emits about 7,290.2 kg of CO2 during its construction process. The concrete pool emits approximately 32 times more CO2 than the P.R.F.V. pool during its construction.

| PRODUCTION / Pool | Kg CO2 | | |
|-------------------|--------|--|--|
| SCOPE 1 | 1.517 | | |
| SCOPE 2 | 14.967 | | |
| SCOPE 3 | 207.3 | | |
| TOTAL | 223.78 | | |

Table 01 - Total Carbon Dioxide (CO2) Emissions in P.R.F.V.

| Kg CO2 | |
|---------|--|
| 0000- | |
| 0.2412 | |
| 7,290 | |
| 7,290.2 | |
| | |

Table 02 – Total Carbon Dioxide (CO2) Emissions in the Construction of a Concrete Pool

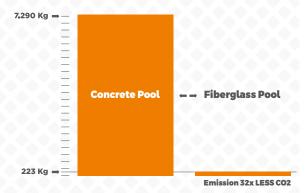


Figure 01. Carbon Dioxide (CO2) Emission Rate in the Construction of Two Types of Pools.

Source:

Center of the Environment
Center of Excellence in Research on Carbon Storage – CEPAC
Pontifical Catholic University of Rio Grande do Sul

Choose Wisely, Cut Emissions, Protect Our Planet!



Researchers are conducting studies on the reproduction of Amazonian turtles within the Mamirauá Reserve.

The nesting period of some Amazonian turtle species is influenced by the dry season when the animals leave the lakes and head to the beaches to lay their eggs. In the Mamirauá Sustainable Development Reserve area, the nesting season extends from August to October. During this time, researchers from the Turtle Conservation and Management Research Program at the Mamirauá Institute, a research unit of the Ministry of Science, Technology, Innovation, and Communications (MCTIC), begin their work.

The Chelonians Program conducts research on three Amazonian turtle species: the iaçá (Podocnemis sextuberculata), the tracajá (Podocnemis unifilis), and the Amazon River turtle (Podocnemis expansa). The iaçá can reach up to 32 cm in shell length, is the most abundant species in the region, but also the most hunted, making it threatened with extinction. Tracajás usually nest in wetter areas and lay around 25 eggs, with a shell length that can reach up to 50 cm. The Amazon River turtle is the largest freshwater turtle in South America, capable of reaching 70 cm in shell length and laying over 100 eggs in a single nest.

To study turtle reproduction, researchers consider not only the hatchlings but also the eggs, females, and the characteristics of the nesting sites, as it is likely that mothers evaluate the location for egg-laying. Data such as the measurements of the animals and eggs are related to the size of sand grains, nest height relative to the water





level, and the distance between these factors. To capture and measure the females, the work is conducted at night, when the females come ashore to build nests and lay eggs. Hatchlings typically emerge about 60 days after egg-laying. This study allows us to assess reproductive aspects of these species, aiding in the development of conservation strategies.

The support of the communities living in this region is crucial for the preservation of these animals in the wild. In addition to collecting scientific data on the beaches, researchers also engage with the local population to reduce the predation of females and eggs. The communities assist in monitoring nesting areas to prevent predation.

The Mamirauá Institute of Sustainable Development has been engaged in the research and conservation of Amazonian aquatic turtles for about 20 years. The Turtle Conservation and Management Research Program is funded by MCTIC and receives support from the iGUi Environmental Prize. This initiative also benefits from financial support from the National Council for Scientific and Technological Development (CNPq) for scholarship payments.



Choose Wisely, Cut Emissions, Protect Our Planet!

THERMOPLASTIC

REINFORCEMENT

iGUi has long been committed to environmental concerns. In addition to all the environmental campaigns across the world, within our own factories, we hold the record for recycling materials.

In our projects, we embrace the principles of the circular economy, which means we "refuse, rethink, reduce, reuse, and recycle" to minimize waste and promote sustainability.

RECYCLE

RECYCLE

CIRCULAR

CONOMY

REDUCE

REDUCE

REDUCE

RECYCLE

RECYCL

Our products are reused in various stages, leading to a reduction in waste production for the environment. Our factories serve as a prime example of this commitment to sustainability.

We have more than 30 product models that use recycled plastic, such as thermoplastic used in pool reinforcements, emphasizing the concept of recycling and reusing materials.

The plastic used for these components comes from recycling plants, which means it's from the second level of

material use, representing a form of reuse, and it can even extend to the fourth level of use.

They are characterized by being more durable and lightweight, which makes our pools stronger and better! Let's explain the step-by-step process:

The material arrives from recycling plants in small pieces, as shown in the images below.





This material is melted and placed into molds for the production of the required components.





To prepare the products, some excess material, called "burrs," must be removed. These burrs are also recyclable. They are melted down and reused.



Choose Wisely, Cut Emissions, Protect Our Planet!

Why Choose a Flat Bottom Fiberglass Pool?

In the realm of residential landscapes, the emergence of flat-bottom fiberglass pools has marked a new era of pool design. These pools blend the practicality demanded by homeowners with the sleek, modern aesthetic that is highly sought after. Our collections of flat bottom pools are at the pinnacle of this harmonious balance, offering a premium selection for the ultimate backyard experience.

Consistency in Depth: Our flat bottom pools provide a uniform depth throughout, making them perfect for games, aerobic exercise, and safe play for swimmers of all ages. The consistent depth eliminates deep-end concerns, ensuring a worry-free swim environment for families.

Sleek and Contemporary: The smooth, horizontal lines of our flat bottom pools visually enhance the modern aesthetics of your outdoor space, providing a visually stunning and functional addition to your home.

Effortless Maintenance: The flat bottom design simplifies cleaning, as there are no slopes or deep ends where debris can accumulate. This efficiency translates to more time enjoying your pool and less time maintaining it.

Energy Efficiency: Flat bottom pools require less volume of water and, consequently, less energy to heat and circulate, leading to significant savings in utility bills.

Installation Perfection: The straightforward design of flat bottom pools streamlines the installation process, ensuring a perfect fit and fast installation. This design precision not only saves time but also minimizes landscaping disruptions.





Enjoyment Without Boundaries – The Flat Bottom Experience

Equitable Play for All Ages: From kids to adults, the equitable depth ensures that games are always enjoyable. There's no need to worry about wandering too far into the deep end during a spirited game of pool volleyball.

Socializing Made Easy: The consistent depth fosters a cohesive social space in the water. No one has to cling to the edge or float to be part of the conversation, making your pool the ultimate spot for gatherings.

Uniform Comfort: Whether it's a poolside cocktail party or a family barbecue, the flat bottom pool serves as the perfect setting, where the water's embrace is equally comforting across its entire span.

Accessible Exercise: Water aerobics, swimming laps, or simply floating – the activities are endless and equally accessible, thanks to the flat, unvarying depth. Fitness enthusiasts and casual swimmers alike can enjoy their routines without interruption.

By opting for a flat-bottom fiberglass pool, you're choosing a setting that's always welcoming, whether you're hosting a lively game, a peaceful gathering, or enjoying a solo swim.

CHOOSE FLAT BOTTOM; DIVE INTO JOY, NOT DEPTHS.

Largest Collection of Flat Bottom Pools



| FEATURES | FLAT BOTTOM FIBERGLASS POOLS | TRADITIONAL DEEP END POOLS | | |
|--|---|--|--|--|
| Depth Consistency | Uniform depth provides equal footing for all activities. | Variable depths can interrupt activities and social interaction. | | |
| Comfort for Play | Level depth allows for comfortable play, avoiding the discomfort of the deep end. | Deep sections can make play uncomfortable for those not at ease in deeper water. | | |
| Social Engagement | Everyone can stand comfortably, fostering inclusive social gatherings. | Gatherings can split between shallow and deep ends, separating guests. | | |
| Ease of Swimming | Allows a focus on form and the overall experience without worrying about depth concerns. | May require adjustments for depth changes, affecting the overall experience. | | |
| Energy Efficiency | More efficient due to consistent depth and reduced water volume. | Less efficient with more water to heat and circulate. | | |
| Safety | Enhanced safety, particularly for children and less confident swimmers, with no deep end. | Potential risks in deep ends may require extra precautions and supervision. | | |
| Aesthetics | Offers a modern design that is visually appealing and harmonizes effortlessly with contemporary surroundings. | Offers a classic design but may be less suitable for modern settings due to its lack of minimalism and varying depths. | | |
| Installation Ease | Simple design allows for quick and seamless installation. | More complex and time- consuming installation. | | |
| Cost Effectiveness | More cost-effective in the long run, with energy efficiency and lower maintenance and installation costs. | Potential for higher long- term costs due to increased energy consumption and maintenance expenses. | | |
| Maintenance with a flat design that diminimizes debris d | | Maintenance can be more demanding due to varying depths and potentially more debris accumulation. | | |

Our Signature Colours - Light Blue and White:

Crafted to perfection, our gel coat stands unrivalled in the market for its superior quality. We have meticulously chosen two signature colours, Light Blue and White, to accentuate the chic elegance of our pool designs

Why Our Colours Define Luxury:

Perfect Palette for Elegance: These colours are exclusively designed to complement our sleek, modern pool designs, lending an air of sophistication to your property.

Spatial Enhancement: Our selective light blue and white tones are not just aesthetically pleasing; they're practical. These colours have a remarkable capacity to make any pool area appear more open and spacious, irrespective of its size.

Consistent Brilliance: Our gel coats are engineered to stand the test of time. While all gel coats naturally experience some degree of fading, our lighter colour palette minimizes the visibility of wear, preventing the common issue of faded white spots that can appear on darker gel coats. This ensures that your pool retains its pristine appearance for longer, reducing the need for frequent refinishing.





Elegant and Strong Fiberglass Pool Edges

With our innovative flat-bottom fiberglass pools, you'll experience a truly seamless and efficient installation process that sets us apart. One of the standout benefits is the ability to install our pools without the need for traditional coping materials. Instead, the lip of the pool itself seamlessly transforms into a functional coping edge. This ingenious design not only streamlines the installation, saving you time and effort, but also adds a touch of modern sophistication to your pool area. The result is a clean, contemporary look that not only enhances the aesthetic appeal of your pool but also eliminates the maintenance concerns often associated with coping materials. Our pools not only redefine the way you enjoy your backyard but also offer you a hassle-free and visually stunning swimming experience, making them the ideal choice for modern homeowners who value both practicality and style

Reinforced Elegance: Our fiberglass pools are meticulously crafted with beautifully designed edges, enhanced by robust thermoplastic reinforcement underneath. This not only adds an aesthetic appeal but also fortifies the pool's structure for additional strength. Smoothest in Class: Feedback from around the globe presents our pool edges as the smoothest and cleanest in the fiberglass pool industry, a testament to our commitment to quality and fine detail.

Visible Beauty by Design: The allure of our pool edges is so pronounced that many homeowners prefer them to remain uncovered post-installation, showcasing their elegance. This also translates into reduced installation costs

STRATIVE IMAGES | ALL MEASUREMENTS ARE APPROXIMATE

Revolutionary Thermoplastic Reinforcement

All of our pools incorporate advanced Fiber-Reinforced Polymer construction for superior durability against UV rays, temperature changes, and environmental wear. Enhanced with high-strength fibers, our pool shells resist cracking and deformation, providing unmatched resilience and a long-lasting foundation for your enjoyment.

Structural Integrity with Thermoplastic Reinforcement

Comprehensive Shell Reinforcement: All of our pools have thermoplastic reinforcements throughout the entire structure, ensuring stability from the walls to beneath the steps and around the pool's perimeter.

Patented Reinforcement Technology: Utilizing an exclusive, patented technology, the thermoplastic reinforcement provides the utmost in strength and pool shell integrity.

Installation Excellence: The reinforcement enhances the pool's rigidity, facilitating a faster,more efficient installation process. It is expertly designed to prevent common problems such as sagging or bowing, especially in critical areas like steps, tanning ledges, and pool walls.

Durability and Longevity: This state-of-the-art reinforcement technique greatly increases the durability of our pools, promising an extended lifespan and enduring quality.

Innovative Lightweight Design

Advanced Production Technology: Leveraging cutting-edge FRP and thermoplastic reinforcement technology, our pools are engineered to be up to 50% lighter than conventional fiberglass pool options in the market.

Efficient and Cost-Effective Installation: The significant reduction in weight translates to notable savings during installation. The lighter structure eases handling and placement, cutting down on labour and equipment costs.

Strength Without the Bulk: Just as modern automobiles have evolved to be lighter without compromising on strength, our pools mirror this advancement. They offer superior durability and longevity, similar to the latest lightweight yet robust automotive designs.

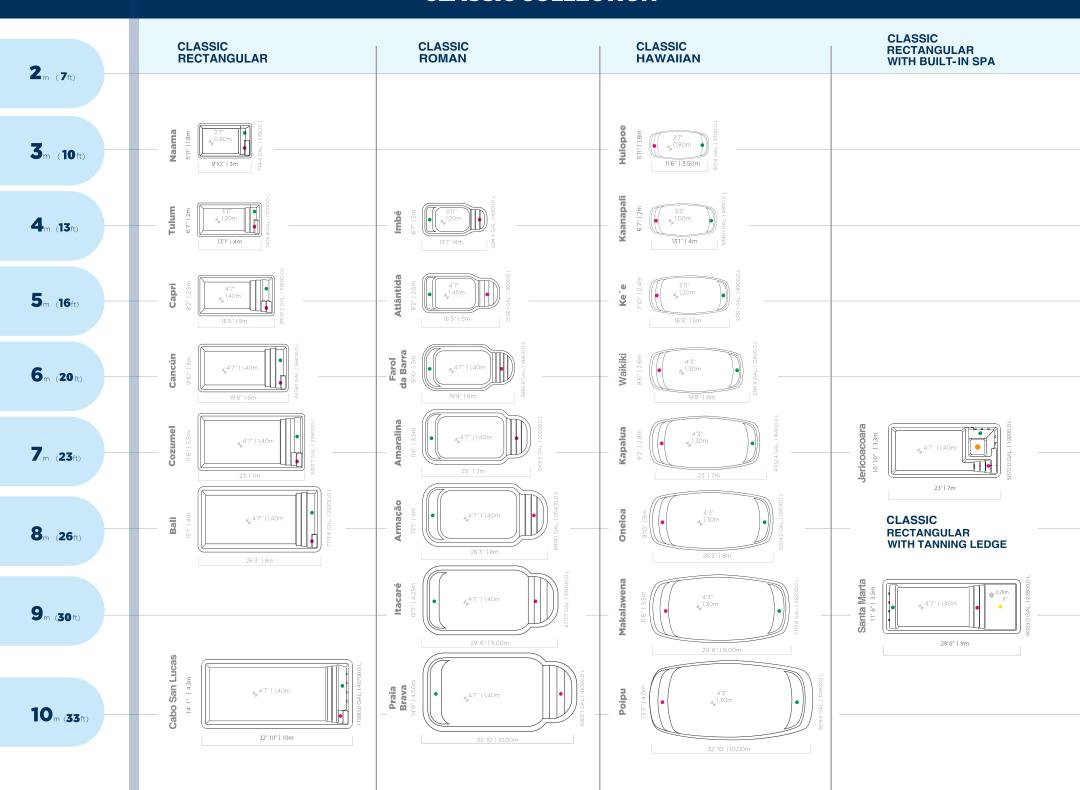
Simplified Logistics: The ease of transport and installation of our lighter pools means that they can be placed in a variety of settings more readily, broadening the possibilities for pool design and location.





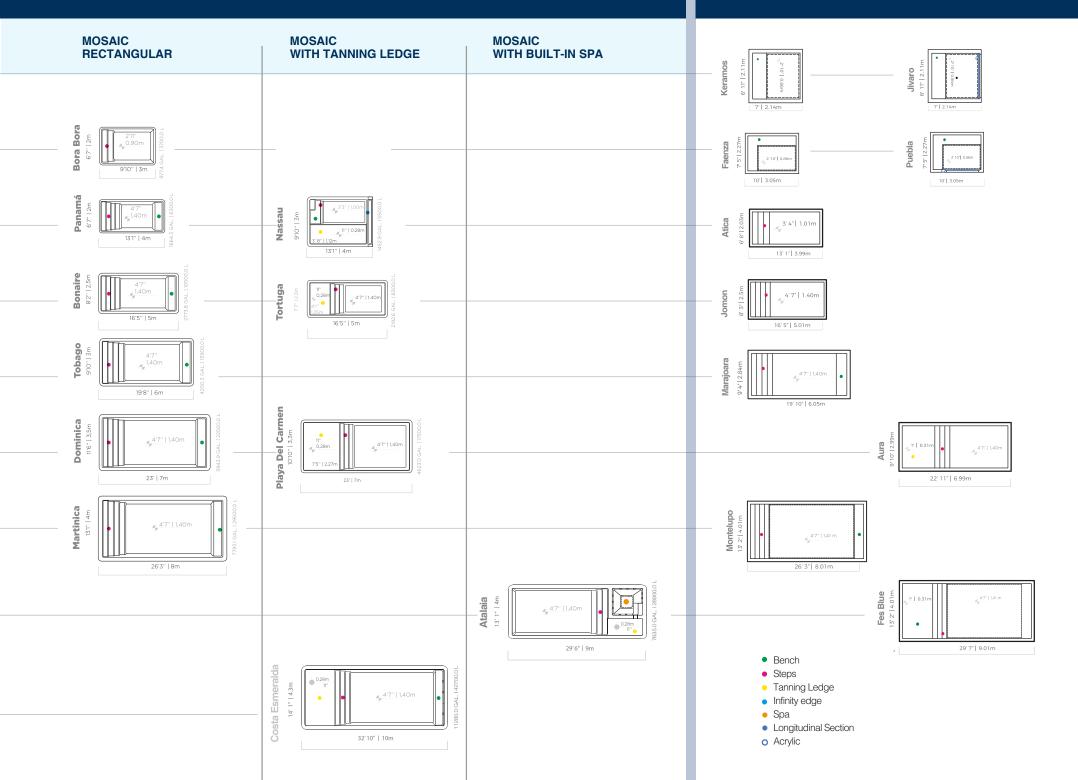


| | | | PENTARM | PENTARM | | PENTARM |
|------------------------|---------------------------------|----------------------|-----------------------------|--|-------------------|---|
| | | Vinyl Liner Pools | Classic Fiberglass Pools | WaterlineTiled (EXCLUSIVE) Mosaic Fiberglass Pools VE) | Concrete Pools | Fully Tiled Ceramic Ceramic Fiberglass Pools VE |
| Product & Installation | Speed of Installation | | | | | |
| | Ease of Installation | | | | | |
| | Quality Control and Consistency | - | | | | |
| | Quality of Interior Finish | | | | | |
| | Durability & Longevity | | | | | |
| | Customization | | | | | |
| | Elegance | | | | | |
| Sustainability | Low Maintenance | | | | | |
| | Ease of Maintenance | | | | | |
| | Chemical Usage | | | | | |
| | Heat Retention | | | | | |
| | Eco-Friendly | | | | | |
| Financials | Initial Cost to Purchase | | | | | |
| | Maintenance Cost | | | | | |
| | Property Value Enhancement | | | | | |



MOSAIC COLLECTION

CERAMIC COLLECTION







EXPERIENCE THE DIFFERENCE



+1 (416) 856-7281 pentarmpools.com

