



Fun lasting memories **made easy.**



HYDRONE



www.hydro1.com.my

Hydro One Marketing Sdn. Bhd.

No 32, Jalan Bukit Rawang Putra 6,
Taman Bukit Rawang Putra,
48000 Rawang, Selangor, Malaysia

T + 603 - 6092 0120

F + 603 - 6092 0305

E enquiry@hydro1.com.my

www.fb.com/hydroonemarketing

Hydro One Show House

No 15, Jalan USJ 3/2 J, USJ 3,
Subang Jaya, 47600 Subang Jaya,
Selangor, Malaysia
(Viewing by appointment only)

Hydro One Sabah

Lot 27, Taman G.S. Naimie,
89008 Keningau, Sabah

ELIMINATE BOUNDARIES

Being the pioneer in swimming pool building industry and backed by professional team, Hydro One has been venturing the swimming construction scene throughout the years by using the most unique fiberglass production technique with imported marine grade material that brings value-adding benefits to our customers from variety segments of commercial & private type.



Endorsed as the CIDB registered construction company, Hydro One is trusted & chosen by many prestigious developers, professionals and individuals that eventually set its presence in all kind of swimming pool projects.



With the vast experience and well integrated manufacturing facilities at local & abroad, Hydro One has diversified the solution & approach with Fiberpool® VERSACAST & FUSIONS technique that breaks through from the initial boundaries & constraints to fulfill your requirements of swimming pool in any size, design, shape and style.



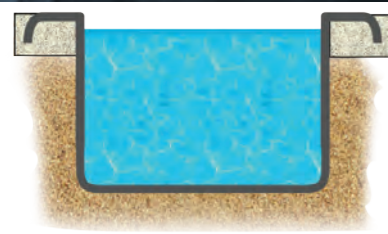
CRAY VALLEY



Swimming pool built by Fiberpool® VERSACAST technique is creating a peaceful blend to a Balinese style private villa resort.

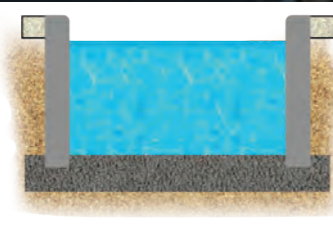
Hydro One Fiberpool® Construction Technique at a glance

ONEPIECE



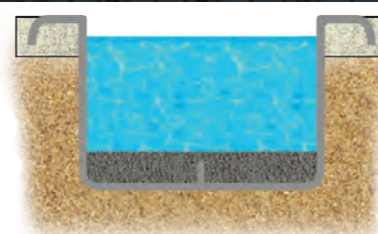
- Pre-fabricated one-piece structure
- 7 days on site completion
- Standard model with 9 designs
- Custom made design upon request
- Size limited to 12mL x 4mW
- Finished in gel-coated glittering effect.

VERSACAST

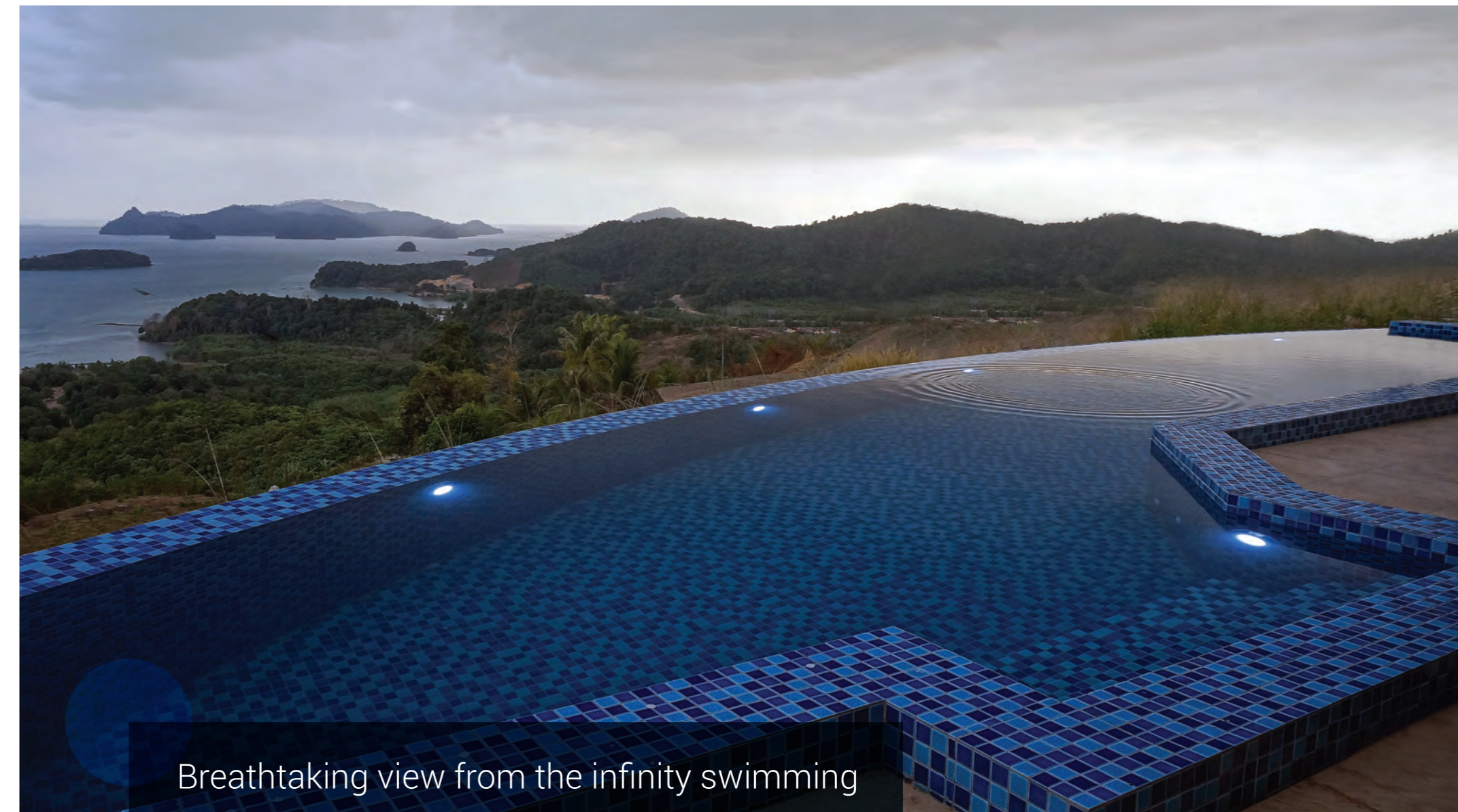


- Pre-fabricated wall structure
- Assemble on site & cast into RC slab
- Light weight with minimum usage of concrete
- High versatility in any size, shape & design
- Finished with tiles or other material.

FUSIONS



- Pre-fabricated wall & floor structure in knocked-down basis
- Assemble on site to be one-piece structure with fusions joint technique & cast with RC floor slab
- Light weight with minimum usage of concrete
- Any size, shape & design
- Finished with tiles or other material.



Breathtaking view from the infinity swimming pool that was built by Fiberpool® FUSIONS technique, bringing the endless horizon of Langkawi sea view nearer to you.

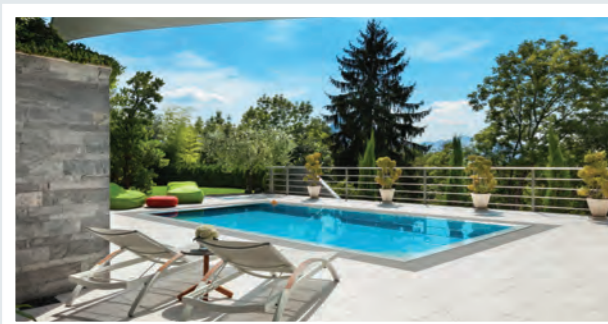


VERSACAST Technique

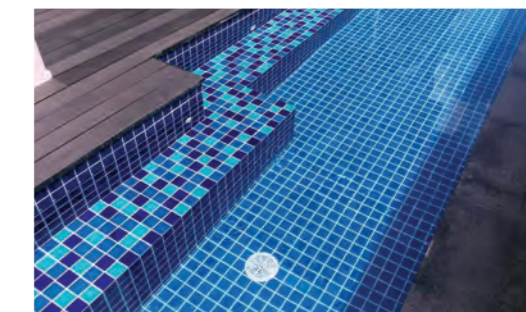


Knowing the weakness and usual problematic areas of the conventional swimming pool built by concrete material, we substitute the pool wall structure with pre-fabricated fiberglass wall panel in VERSACAST technique, setting the construction method with the combination of Australian imported marine-grade fiberglass material with concrete. The technique has cut the usage of concrete up to more than 50%, causing a much lighter loading weight while also proven to establish a strong bonding between the two materials of fiberglass & concrete.

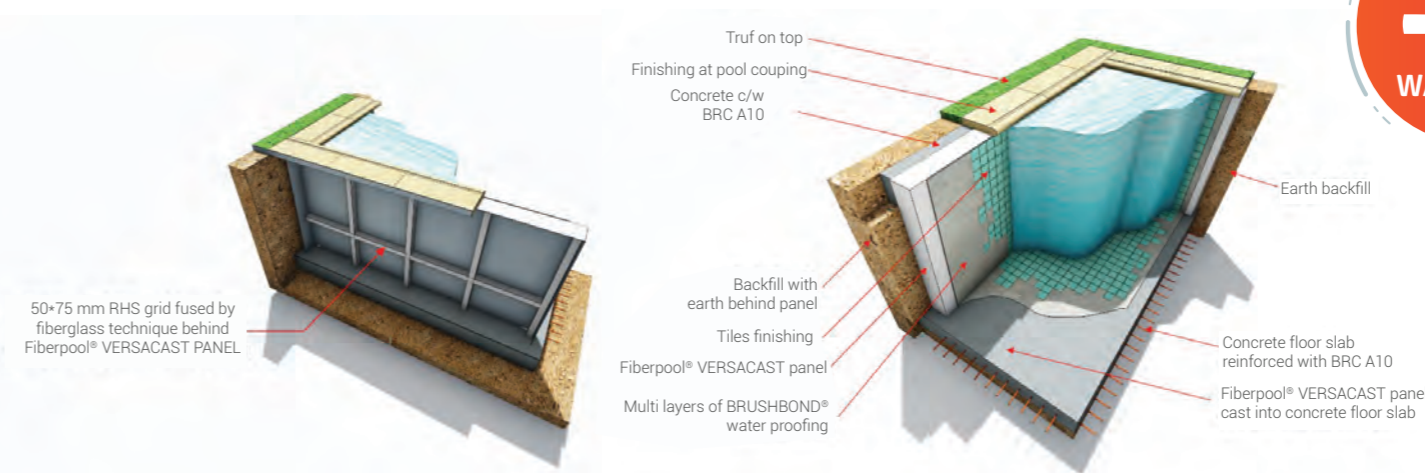
The fiberglass wall panel of VERSACAST is customized and manufactured as individual module that is designed to be assembled and form the eventual swimming pool shape, size and depth required. It is reinforced with vertical and horizontal grid of steel material that is fused with fiberglass material to the rear of panel, to increase its strength & stability.



The VERSACAST wall panel structure will be assembled on site with all the assembly joint between each panel are fully fused with fiberglass technique too. Then, the fully assembled wall panel structure is cast into a 250mm thick reinforced concrete which is also the floor slab structure of the swimming pool. The soil excavated will be backfilled surrounding the wall panel. To further eliminate any possibility of leakages, we at Hydro One has selected and hand-picked the most renowned world leading brand of waterproofing material, BRUSHBOND® by Fosroc UK to be applied onto the fully assembled swimming pool structure of concrete floor & fiberglass wall panel.



The swimming pool structure constructed by the Fiberpool® VERSACAST Technique has set the highest quality entitlement with 10 years leak-free warranty.



The pool can be finished with any colour matched mosaic and tiles of your choice.



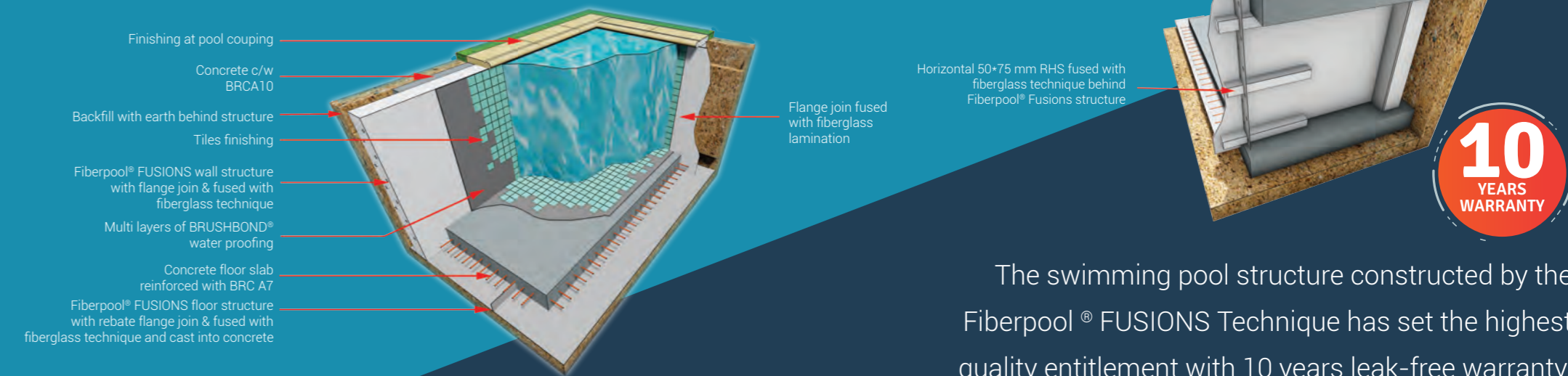
FUSIONS Technique

The FUSIONS technique aimed to construct the swimming pool structure as an one piece prefabricated form factor without the limitation of size & shape by using the knocked-down module approach and therefore has the pool wall & floor structure entirely made by the Australian imported marine-grade fiberglass material,

Depending on the pool size and shape, the FUSIONS technique is designed to splice the pool structure to be produced and delivered to site in 2 to 3 sections. The knocked-down sections of fiberglass structure will then be assembled by connecting the well designed flange joint on site. With the fiberglass fusion technique applied at all the assembled joints, the sections will be reconnected again that subsequently form the swimming pool as an "over-sized one-piece" structure.



The wall structure will be reinforced further with fiberglass fused horizontal steel bars at rear of joint area for further strengthening. A 100mm thick reinforced concrete slab will be cast on top of the fiberglass floor area that will also conceal the flange joint within. Surrounding the swimming pool wall structure will be backfilled with fine sand. To further eliminate any possibility of leakages, we at Hydro One has selected and hand-picked the most renowned world leading brand of waterproofing material, BRUSHBOND® by Fosroc UK to be applied onto the fully assembled swimming pool structure so that it is ready to be finished with any colour matched mosaic and tiles of your choice.



10
YEARS
WARRANTY

The swimming pool structure constructed by the Fiberpool® FUSIONS Technique has set the highest quality entitlement with 10 years leak-free warranty.



Reasons to choose Hydro One Fiberpool® Technique



Selection of Raw Material

We have zero compromise on the raw material . We manufacture the pool structure with Australian imported marine grade fiberglass material and the premium range of ISO NPG Gelcoat by the renowned brand of Cray Valley, ustralia. The material & finishes are well proven through time with the 800 units of Hydro One Fiberpool installed throughout Malaysia.



Fiberglass Pool Structure Design

The reliability, durability and strength of structure constructed under VERSACAST and FUSION technique has been carefully studied, designed and endorsed by professional structural engineer. The back-steel reinforcement support is the highlight of our expertise.



Built to Last with Leakage-free Warranty

We keep to the principle in producing one piece structure that is leakage proof. The fusion on the joint area on both structure will be carried out by our skilled fiberglass technician , we make the pieces of section into one piece at site, this is the only difference



Proven Track Record

Hydro One Fiberpool® technique has gained lengthy track record with time proven performance in all kind of swimming pool requirement... from roof top swimming pool, infinity pool for isolated sea villa unit & hill top resort project and even fulfilling the most stringent criteria of constructing a FINA certified full size 50m x 25m Olympic competition pool.



Pool equipment and fitting

The Pool Pump & Filtration System

This is the heart of the swimming pool. Over the years, a variety of integrated filter systems have been introduced into the market, yet its maintenance is so much tedious and consumes much chemicals to maintain the water clarity and require long downtime to replace. Sand Filtration System, however, is a time proven system for many decades that is still the ideal; matched with a quality Pump, you'll enjoy higher flow-rate, excellent circulation and require less chemicals to be added to the pool so much easier to operate.

The Sand Filters and Pump which are fully manufactured by Hydro One, are well proven with its quality & reliability with 10 years presence over 42 countries worldwide.

Lighting & control panel

Multi-coloured LED Underwater Lights further enhances the aesthetics of your pool. The Control Panel is installed at an quipment house erected at any secluded corner and comes with

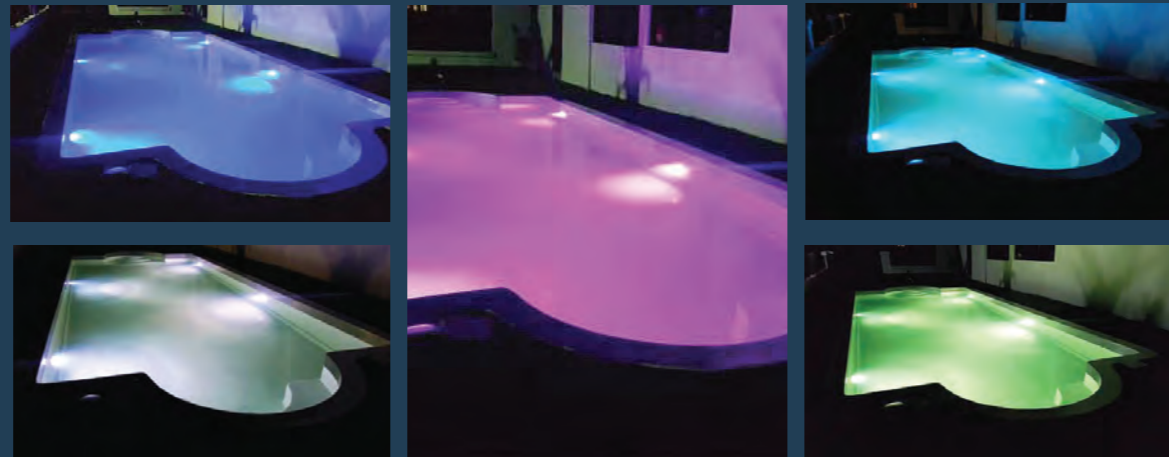
Pump House

The Control Panel and other equipment are installed in a specially built, outdoors durable equipment house, erected at any secluded corner that you wish.



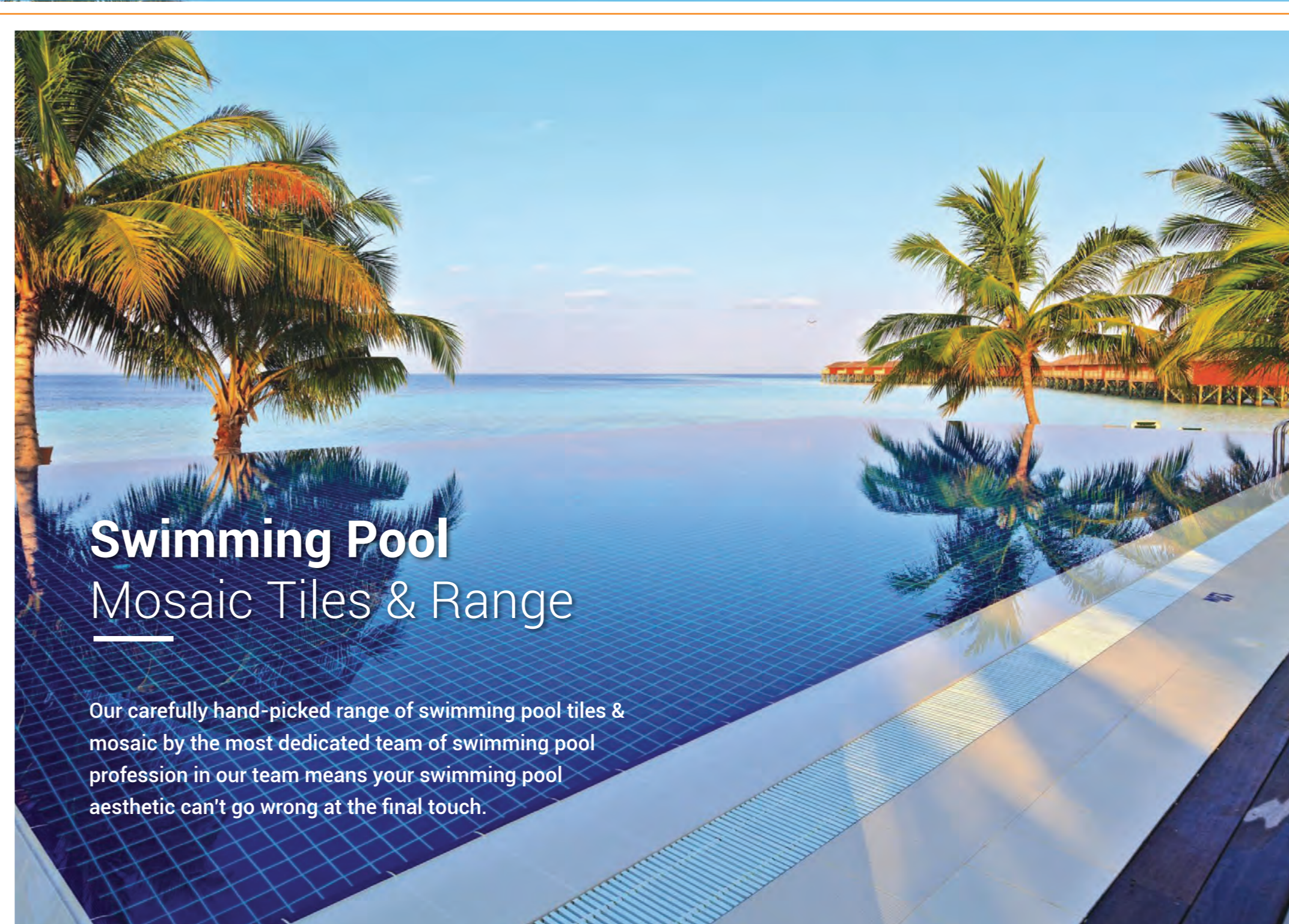
The Pool Fittings

The Inlet, Skimmer Box and Main Drain are incorporated to the pool structure during the production stage and tested prior to delivey.



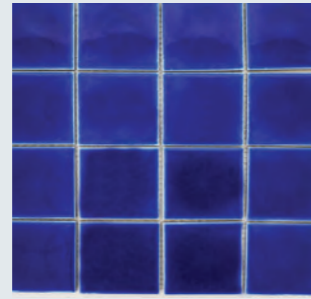
Swimming Pool Mosaic Tiles & Range

Our carefully hand-picked range of swimming pool tiles & mosaic by the most dedicated team of swimming pool profession in our team means your swimming pool aesthetic can't go wrong at the final touch.

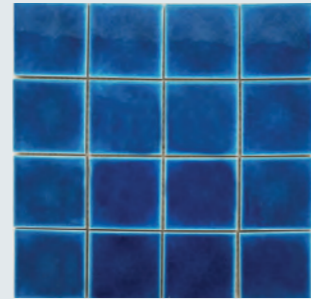




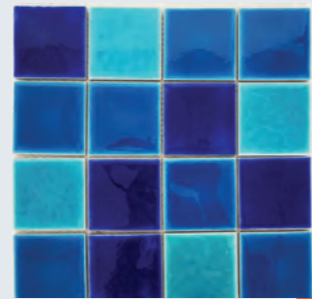
Artisan Series



IGC-C-9121

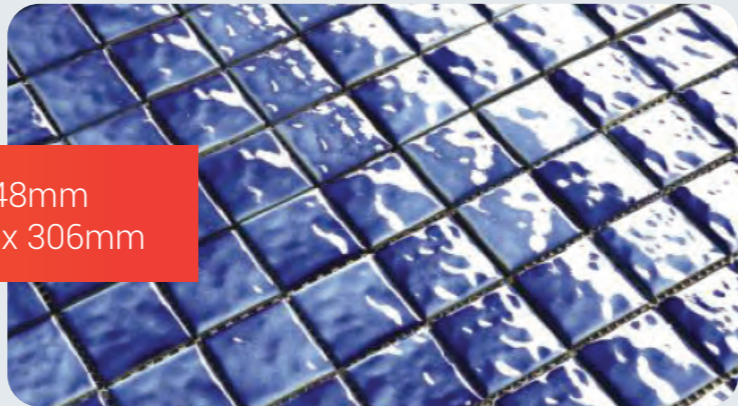
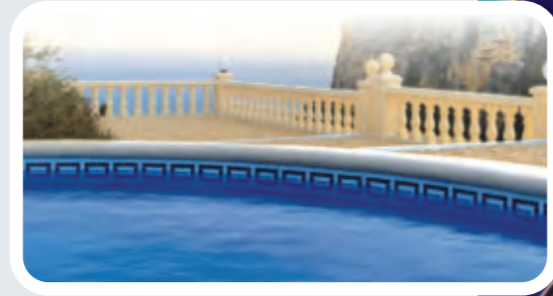


IGC-C-9125



IGC-Mix-113

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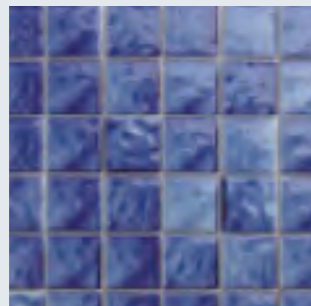


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Wave Series



Z 59U13

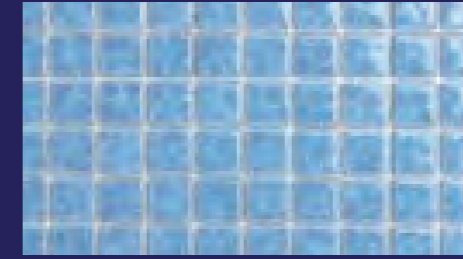
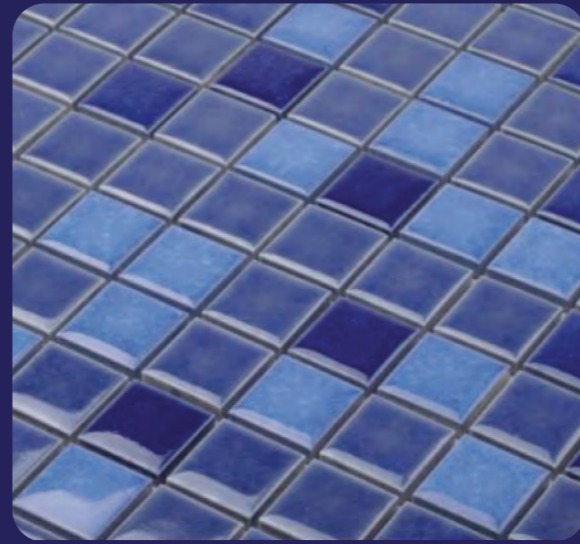


Z 59U14

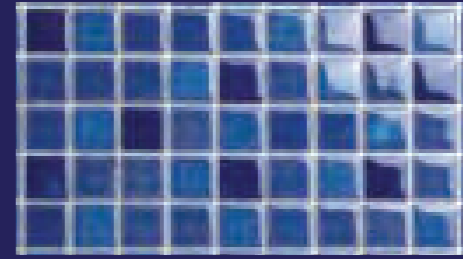


Z 59U15

Glaze Series



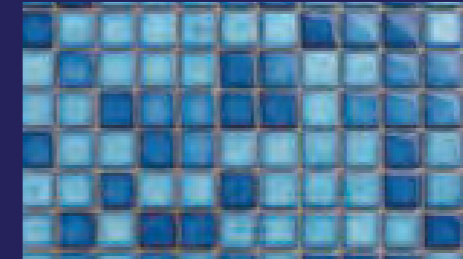
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Z34C14



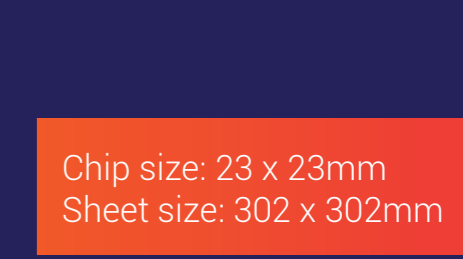
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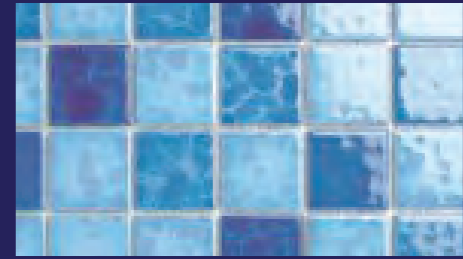
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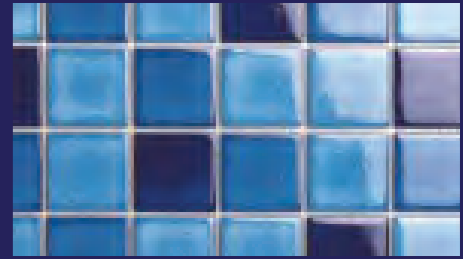
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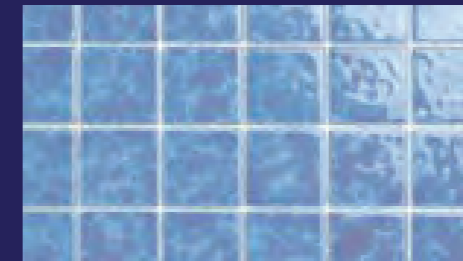
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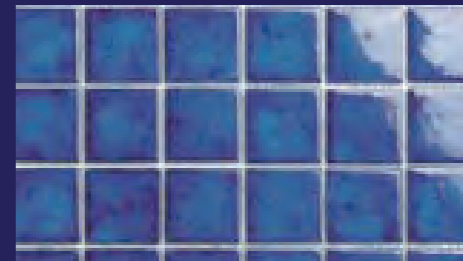
Z59C15



Z59C16



Z59L13



Z5923

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