

BUILDING  
TOGETHER



Aqua ❖ Build



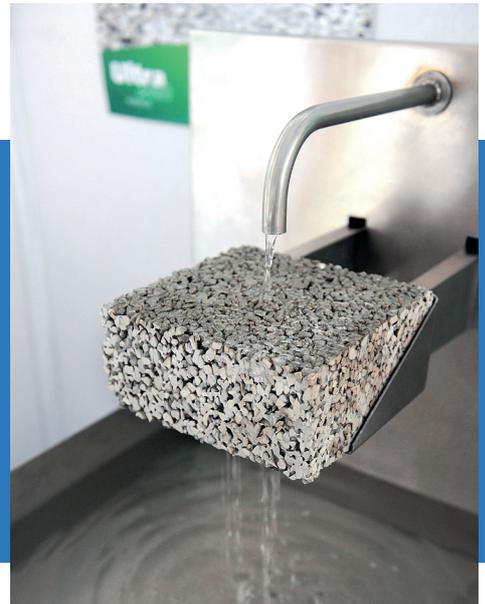
# Aqua Build

**AquaBuild is a new fast draining concrete pavement solution that rapidly directs stormwater off streets, parking surfaces, driveways and walkways. A cutting-edge development, AquaBuild also minimizes the cost and long-term maintenance for local authorities and developers of stormwater management.**

Its advanced, engineered design offers not only best-in-class drainage and a surface resilient to wear but also an industry-leading aesthetic appeal and an increased ease of placement by contractors. AquaBuild is a sustainable solution that combines the durability of concrete with advance drainage technology.

## **AquaBuild is especially for construction of:**

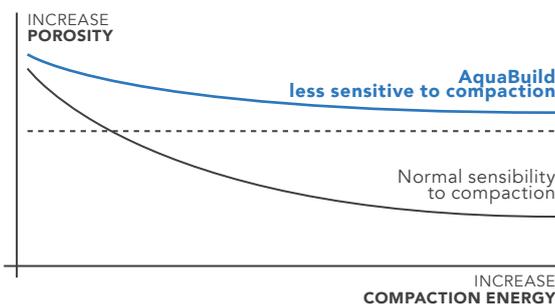
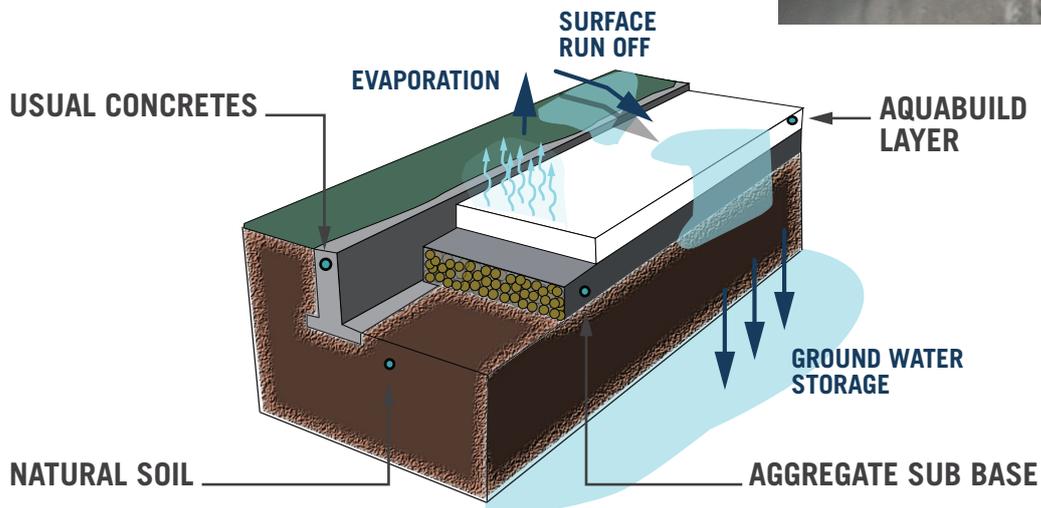
- Walking path
- Parking lots
- Cycle track
- Fountain and garden area
- Outdoor courtyard
- Roads (light traffic)



# INNOVATION

**The unique mix design technology behind AquaBuild has created a no-fines concrete that is particularly fluid in application, but highly robust and resilient after placement and curing.**

Together, it makes for a much simpler application, improving not only the workability of the product but also its consistency, and also provides a much stronger surface. The key to this is our breakthrough paste technology, where the rheological properties are a carefully calculated balance between fluidity and viscosity, offering short-term flexibility and long-term strength.



The paste is only part of the AquaBuild equation. **The aggregate matrix is designed to minimize compaction and provide a predictable and homogeneous permeability in the final hardened product.** The choice of the materials, combined with the specialty-created mix design tool provides that final properties of the concrete can be engineered prior to placement allowing for a predictable and consistent designed solution to the management of stormwater.

# KEY BENEFITS

## Reduced costs

- Reduced stormwater management cost; no need for piping, catchment basins and infiltration galleries.
- Reduced long-term maintenance cost; high-strength surface, lack of raveling.

## Ease of placement

- Greater fluidity means better flow in formwork; easier to place.
- Easier to predict volumes from production to paving; more consistency.

## Aesthetic appeal

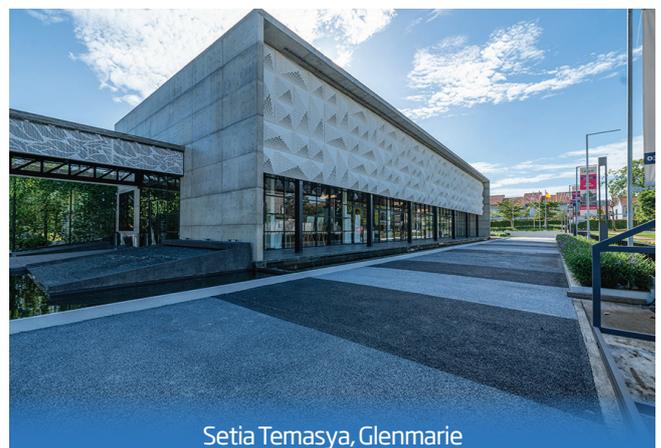
- Smoother, cleaner look than other permeable pavements.
- Finished in a wide range of shades; red, blue yellow etc.

## Efficient stormwater management

- Rapid water removal, water-free surfaces.
- Safer roads and parking areas; no standing water.
- Reduced risk of flash flooding; high permeability and drainage capacity.

## Environmental management

- Minimizes urban impact on natural water cycle.
- Provides natural groundwater recharge in urban environment.
- Reduced pollution in stormwater ( filter for particulate).
- More efficient use of land (reduced footprint).



## About YTL Cement

YTL Cement is an innovative leader in construction material and solutions. Initially established in Malaysia to support the local construction industry, YTL Cement is now a leading presence in the Asian region with over 60 years of experience in the industry and operations in 5 countries and counting. With our passion for building better deeply rooted in our beginnings as a construction company, we're committed today to offer world-class quality products and end-to-end solutions to the market's needs.

Some of the key products and services provided include cement, ready-mixed concrete and aggregates, used in various projects ranging from small, local projects, to the biggest and most technical and architecturally-challenging infrastructures. As urbanization increasingly impacts our planet, we provide innovative products and building solutions with a clear commitment to sustainability so that we may build nations together.

## About Buildcon Concrete

Buildcon Concrete is the largest Ready-Mix Concrete player in Malaysia with a network of 60 batching plants and a fleet of 1000 mixer trucks. An integral part of YTL Cement Group, Buildcon Concrete has been supplying concrete to Malaysia for over 60 years.

A major contributor to nation building projects in the region, Buildcon Concrete completed its maiden project in Singapore in 2007 with the supply of 100% concrete used to build Resorts World Sentosa Integrated Resort. In 2017, it set a world record for its sole supply of the largest continuous pour for The Exchange 106 tower in Kuala Lumpur.

Buildcon Concrete is the preferred supplier for technically sophisticated and large-scale projects with challenging requirements. With a dedicated team of engineers and construction specialists, Buildcon Concrete is committed to cater to various types of construction needs such as pervious concrete, decorative concrete, ultra-high-performance concrete, and self-compacting concrete (SCC).

**Disclaimer:** The samples shown in this kit only provide an approximate estimate of the result that can be achieved and should only be used as a guideline for product selection. The samples were developed in controlled environment using regional materials that may vary from one location to the next. The finished product can be affected by many factors, including but not limited to: the size, colour and distribution of the aggregates, finishing technique, jobsite conditions, curing methods, and the use of sealer.



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