

**Project:**  
Q1 Tower  
Sunland Group

**Consultant:**  
Hamilton Design



**akavent**



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# Achieve more

## Q1

The design of the worlds highest residential building, the Q1 tower at the Gold Coast in Australia, is truly inspiring. The glass façade makes it to a landmark in civil architecture. The beautiful location at the beach in the middle of its own tropical garden, with waterfalls and a lagoon, makes it to a unique building with 80 floors of luxurious living.

### The challenge

Its height of 322.5 meters, 80 floors and in total 526 apartments varying from 2 bedroom apartment to a two story penthouse with swimming pool, makes designing the soil and waste system into a huge challenge. A garden of 10 floors on level 60 to 69 and a observation platform had to be incorporated in the design.

### The solution

The akavent aerator 160 mm makes it possible to have more available space for other purposes than technical installations. Its high capacity limits the number of down pipes. On level 60 an offset was made in the down pipes to create room for the "garden in the air".

### About Akatherm

The demand for inspiring, challenging and highly productive environments means that every modern construction project represents a unique challenge. As experts in Specialist Drainage, Akatherm understands that what we deliver to a project is just as important as what is ultimately removed from a building, thanks to our high performance technology.

Rely on our knowledge, consultation, support process and industry-leading systems to provide the confidence to achieve your ambitions.