

THE MOST SUSTAINABLE PAVING ON EARTH

PERMEABLE PAVING



THE AQUAFLOW BLOCK IS ONE OF THE INTERLOCKING PERMEABLE PAVERS THAT INCA CONCRETE PRODUCTS OFFER. IT HAS THE STRUCTURAL SUPPORT AND STABILITY OF TRADITIONAL CONCRETE PAVERS, COMBINED WITH THE ENVIRONMENTAL BENEFIT OF STORMWATER MANAGEMENT AND POLLUTION CONTROL.



POLLUTION CONTROL

EMBODIED ENERGY

STORMWATER MANAGEMENT

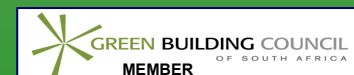
EROSION CONTROL

THERMAL MASS

**MANUFACTURED LOCALLY
(REDUCING CARBON FOOTPRINT)**

**REDUCTION OF
HEAT ISLAND EFFECT**

WATER CONSERVATION





Inca Concrete Products is committed to being a sustainable business and contributing to sustainable development. We achieve this by continuous improvement of our manufacturing and extraction process and by providing products which contribute to future sustainable construction.

"GREEN SITE" Development Permeable Paving

One of the fastest growing approaches to **green site** development is permeable paving. There are a variety of options of permeable concrete paving but all operate on the same principle: to allow rainwater to seep through a paved surface, which naturally cleanses pollutants and recharges aquifers instead of having the storm water run onto other properties and into storm drains.

Because engineered curb and gutter storm drainage systems are costly to design and build, permeable pavement systems can often reduce overall construction costs. Permeable paving systems typically cost more than conventional pavement, but any additional paving cost is offset, at least in part, because there is less need for storm water management infrastructure. Catch basins, storm water ponds, curbs, gutters and storm drains can be eliminated or downsized. As a result, permeable paving has become a standard part of most developed countries offerings.

The Benefits to the Developer

- Minimizing storm water management issues simplifies planning.
- Permeable paving puts money in the developer's pocket because there's no need to install costly, storm water, water collection and detention areas.
- Eliminating collection and detention areas increases the effective developable area, which also saves the developer money.
- A safer surface that's easier to grip.
- Less chance of erosion and water seeping into basements.

- A better appearance because permeable paving eliminates the need for ugly surface runoff measures.
- Lower maintenance costs because permeable surfaces require fewer repairs and need to be resurfaced less often.
- More water to the root systems of plants and trees in the vicinity, resulting in healthier vegetation.
- Run off to rivers and eco systems are not harmed by pollution, which is collected at point.
- Water Management. Re harvesting of water through retention tanking systems – hence water conservation.
- And most importantly developers will receive credits on green certification programs.

As with so many green building and site features, doing the right thing for the environment should be the largest benefit of all for the developer.

Inca Concrete Products: 021 904 1620
Deon van Vuuren 082 906 2171
Email: deon@incaconcrete.co.za
Website: www.incaconcrete.co.za

