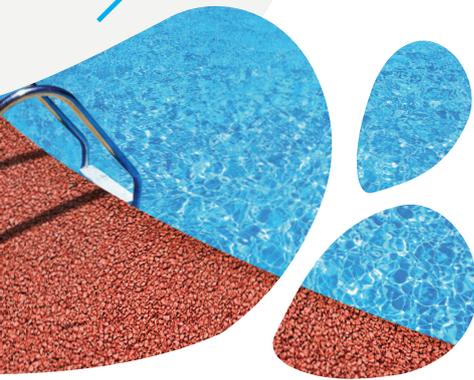


Permaflow

Permeable by design

CONCRETE TECHNOLOGY THAT PROVIDES THE OPTIMAL SOLUTION FOR SURFACE AND STORM WATER MANAGEMENT

SURFACE & BASE APPLICATIONS



KEY BENEFITS

- > Improves drainage through unique design of water management system
- > Reduces storm water run-off
- > Is cost-effective:
 - a) Accelerating construction
 - b) Reducing pipe sections
- > Increases water infiltration to preserve soil natural conditions
- > Improves aesthetic appearance
- > Provides consistence retention up to at least 90 mins

SURFACE APPLICATIONS

- > Pavements, pathways, driveways & swimming pool decks
- > Car parks and minor road strips
- > Green walls and patio areas
- > Multi use games areas

BASE APPLICATIONS

- > All the above
- > Beneath permeable blocks such as CEMEX Readyflow

DURABILITY & MAINTENANCE

RESISTANCE TO FREEZE / THAW

Effectively designed water management systems incorporating Permaflow offer excellent resistance to damage caused by the 'freeze thaw' effect. This is achieved by the efficient movement of water through the system to lower layer management.

Should water be able to settle within the Permaflow material and freeze, the open, interconnected void matrix will overcome any risk of damage from expansive forces caused by freeze thaw.

MAINTENANCE

To ensure the flow characteristics of Permaflow continue to perform effectively, a regular inspection and cleaning programme should be established to prevent the void matrix becoming blocked.

Light pressure washing and suction cleaning may be used. Environmental factors local to the product will determine frequency of this maintenance programme.



MATERIAL PROPERTIES

	Surface Applications	Base Applications
Air Voids (%)	18 to 30	20 to 35
Drainage Capacity (l/min/m ²)	up to 500	up to 1000
Flexural strength (MPa)	up to 3.5	up to 3.0
Compressive strength (MPa)	up to 25	up to 20
Abrasion resistance (ASTM C1747)	10 to 30%	10 to 35%