



***Pervia***  
*Permeable by design*

INNOVATIVE SOLUTIONS FOR  
WATER MANAGEMENT

# *Pervia* CONCRETE TECHNOLOGY THAT PROVIDES OPTIMAL MANAGEMENT OF WATER DRAINAGE IN CONVENTIONAL AND STRUCTURAL PAVEMENTS

## CONVENTIONAL (NON-STRUCTURAL)

### 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 by prolonging color stability
- > Provides workability retention up to at least 90 mins.

### APPLICATIONS

- > Alleys, sidewalks, pathways and swimming pool decks
- > Parking lots and minor road strips
- > Green walls



CONVENTIONAL APPLICATION



# STRUCTURAL APPLICATION

All the previous benefits plus...

## STRUCTURAL (NEW!)

### KEY BENEFITS

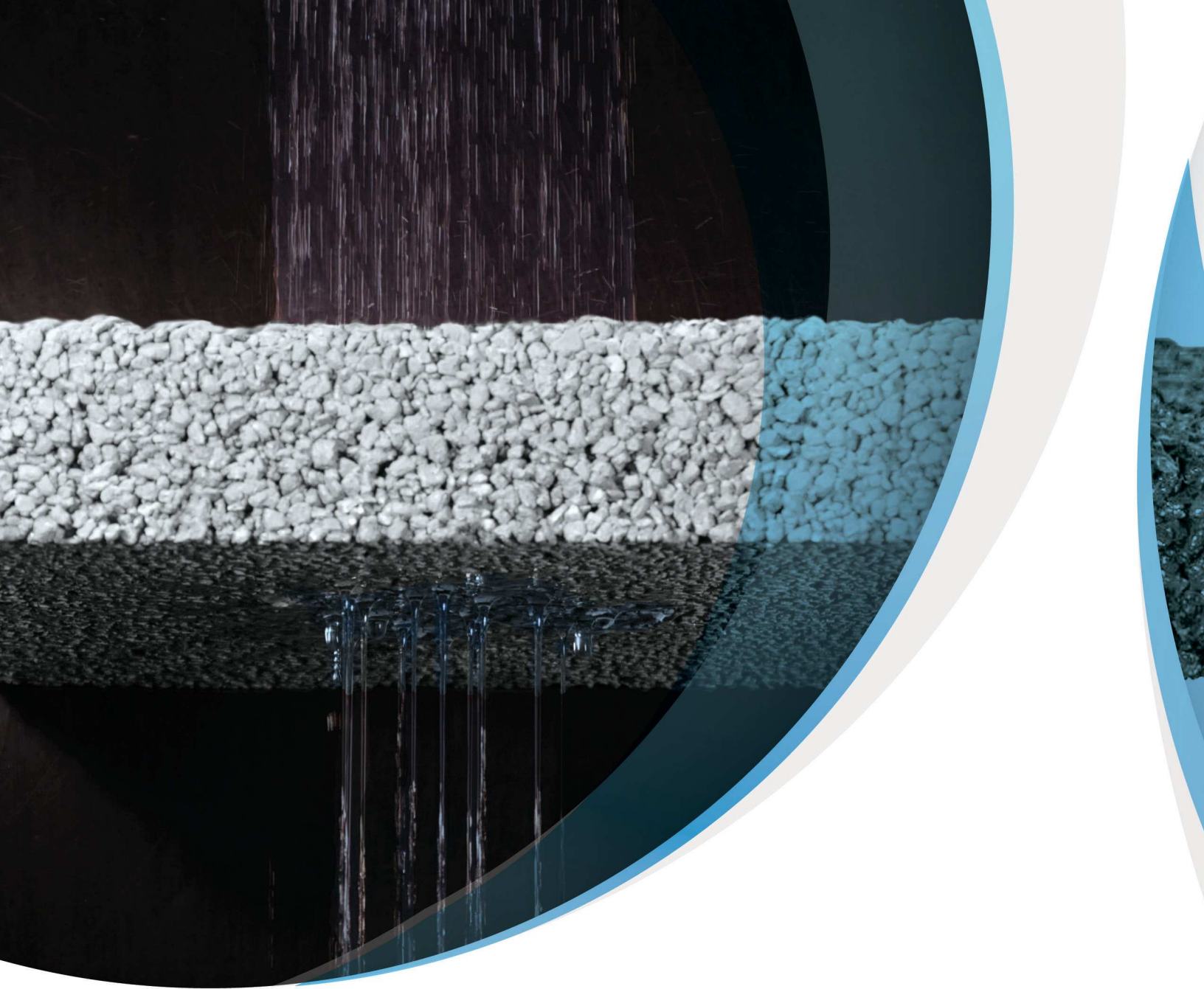
- > Enables the development of a medium-to-high (tensile) strength road network with improved drainage
- > Improves skid resistance
- > Makes its placement and finishing 2 times faster than conventional pervious concrete due to its unique visco-dynamic flow
- > It is easy to place – highly fluid pervious concrete
- > Eliminates the need for extra compaction – can be finished using Spin-Screed Roller

### APPLICATIONS

- > Driveways
- > Residential roads
- > Structural road sub-base
- > Final road layer
- > High-traffic roads

## MATERIAL PROPERTIES

	Conventional Application	Structural (High Performance)
<b>Air Voids (%)</b>	20 to 35%	20 to 25%
<b>Permeability (mm/sec)</b>	5 to 30 mm/sec	5 to 10 mm/sec
<b>Flexural strength (MPa)</b>	1.0 to 2.5 MPa	2.0 to 4.0 MPa
<b>Compressive strength (MPa)</b>	5 to 25 MPa	15 to 35 MPa
<b>Abrasion resistance (ASTM C1747)</b>	10 to 30%	5 to 20%



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Building a better future