

SPEED RHEOCON™

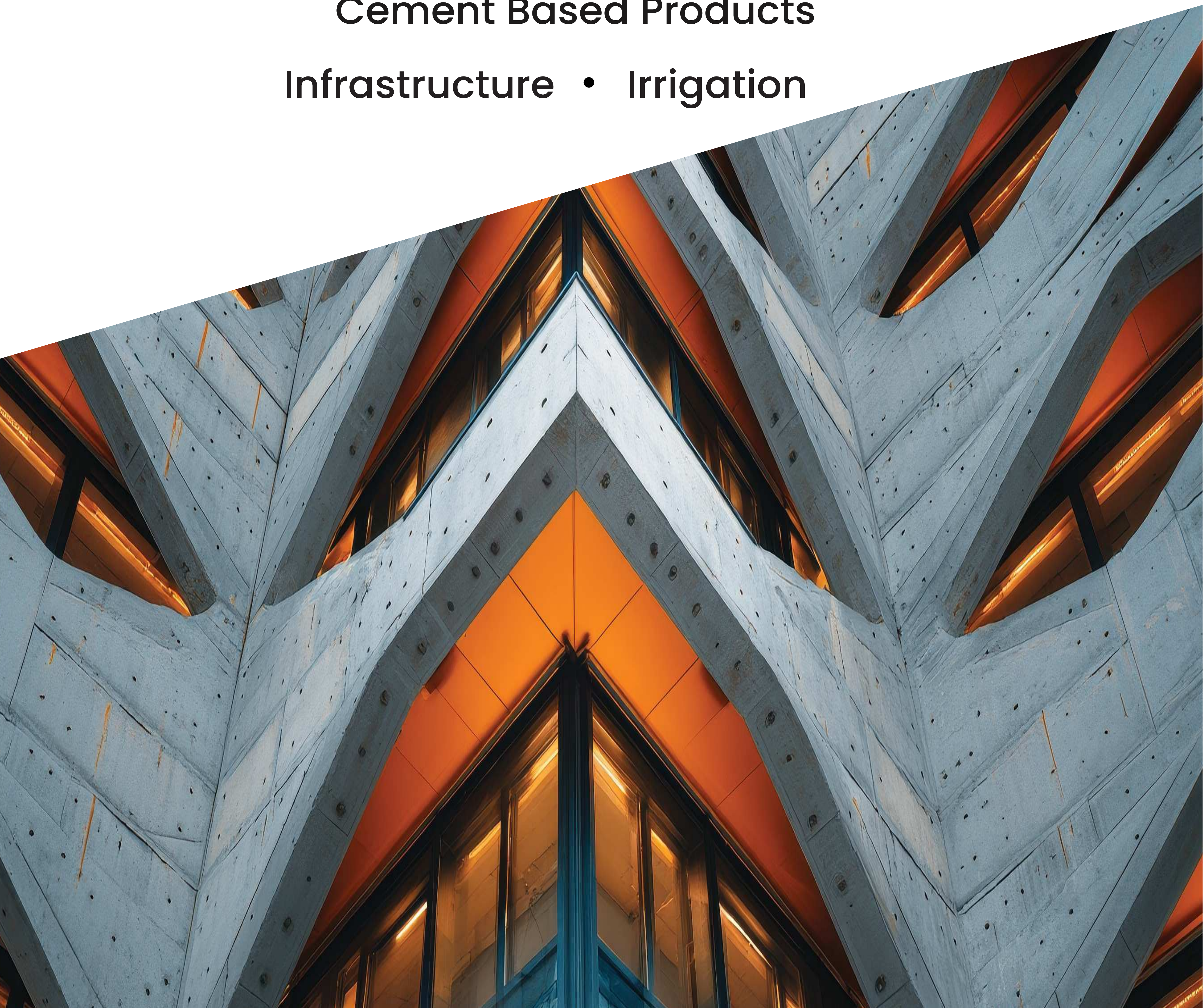
Built beyond
conventional concrete.

Designed to help concrete stay more cohesive, denser and more resistant to seepage and cracking. This reduces recurring waterproofing, repair and maintenance costs over the years.

Residential • Industrial • Precast

Cement Based Products

Infrastructure • Irrigation





WHAT IS SPEED RHEOCON

SPEED RHEOCON is a performance-enhancing concrete formulation developed using polymers and speciality compounds. Instead of allowing excess water to form continuous crack channels inside concrete, SPEED RHEOCON changes the internal pattern formation into a controlled micro bubble structure.

A TAILOR-MADE APPROACH

SPEED RHEOCON is customized to integrate seamlessly with your mix design whether it is for residential, infrastructure, industrial, or high-strength concrete.

SUITABLE CONCRETE GRADES

Concrete Types

Ordinary Concrete
Standard Concrete
High Strength
Concrete

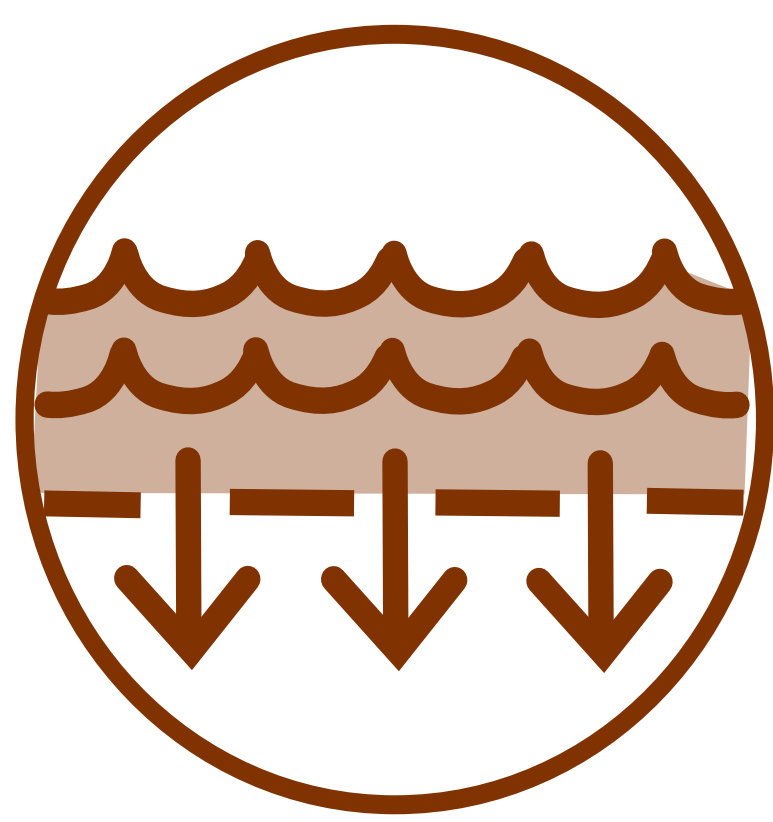
Grades

M10–M20
M25–M55
M60–M80

CONVENTIONAL CONCRETE CHALLENGES



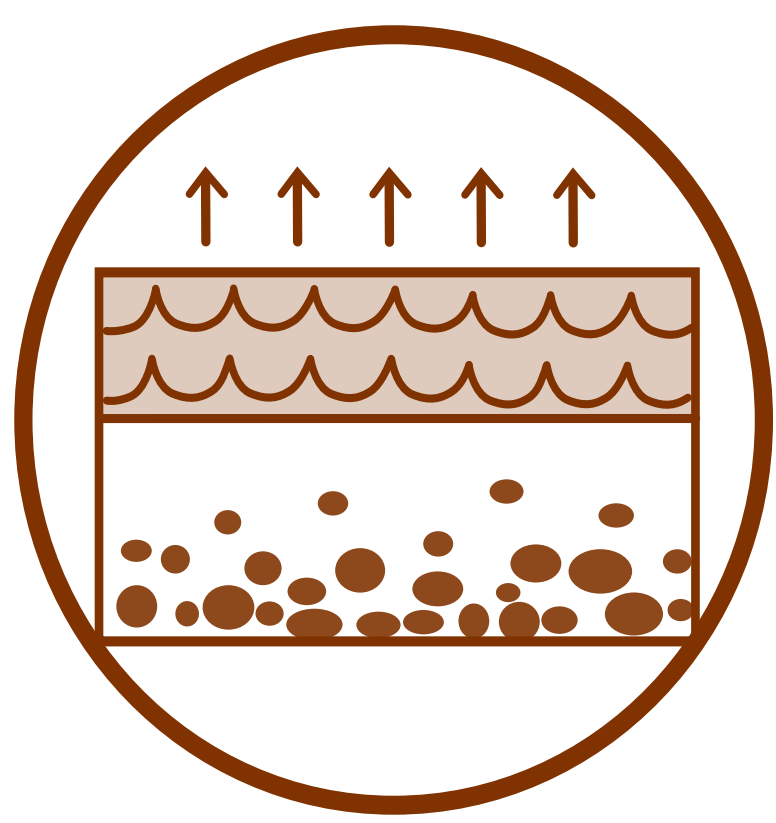
SHRINKAGE CRACKS



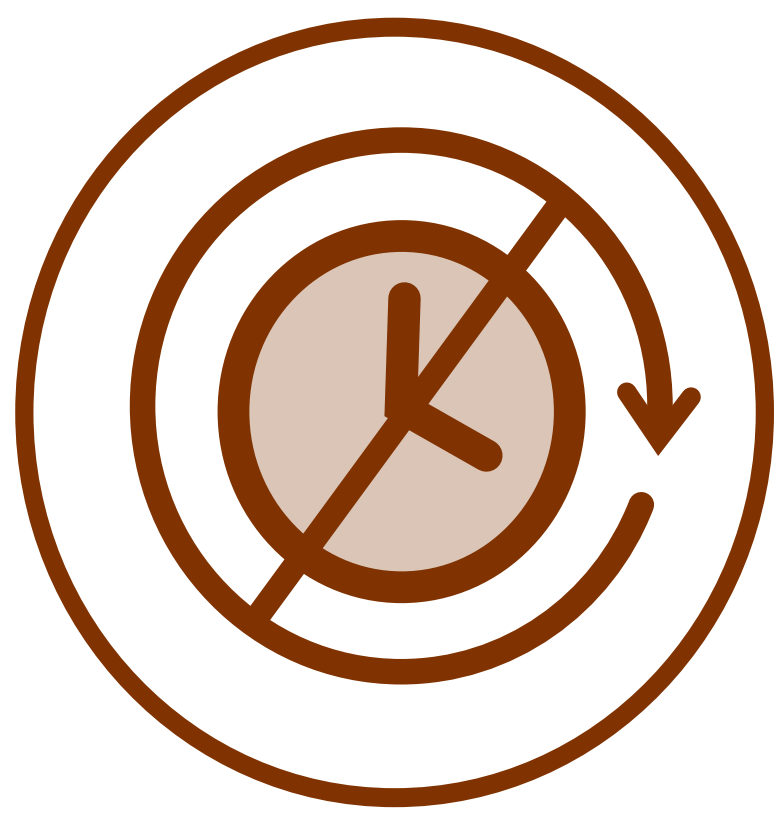
WATER SEEPAGE



INCONSISTENT CURING



SEGREGATION & BLEEDING



REDUCED DURABILITY

TRADITIONAL CONCRETE BEHAVIOUR

Excess water can create V-shaped channels and crackpaths inside the concrete structure. Over time, these pathways may allow water penetration & seepage

CONCRETE WITH SPEED RHEOCON

SPEED RHEOCON avoids this channel formation into a micro bubble structure that helps distribute moisture more uniformly within concrete matrix

SITE-LEVEL BENEFITS

SPEED
RHEOCON

Reduced curing dependency

Better Consistency

Reduced seepage maintenance

Improved Pumpability

Long-term Durability

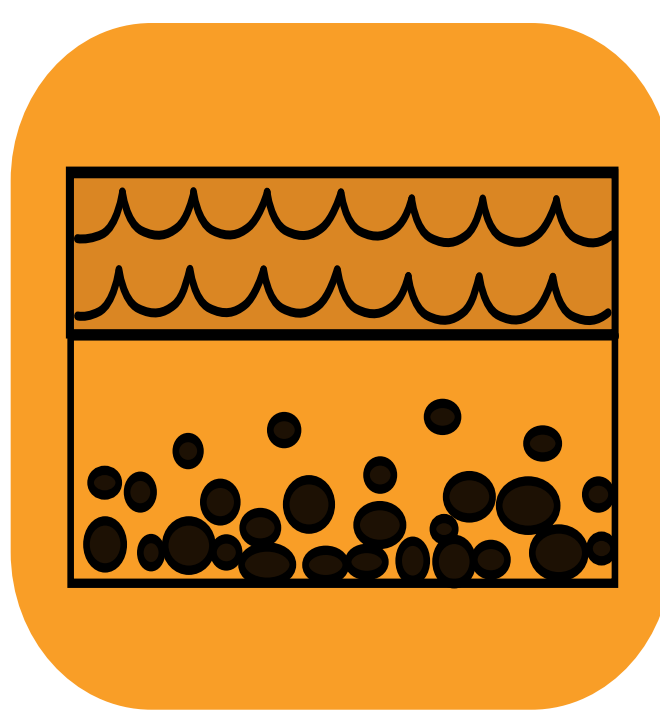
PRODUCT COMPOSITION

- > Self Curing Agents
- > Specialized polymers that enhances rheology and mechanical strength (patent applied)
- > Fibers
- > Accelerators
- > Antibleeding Compounds

CONCRETE PERFORMANCE



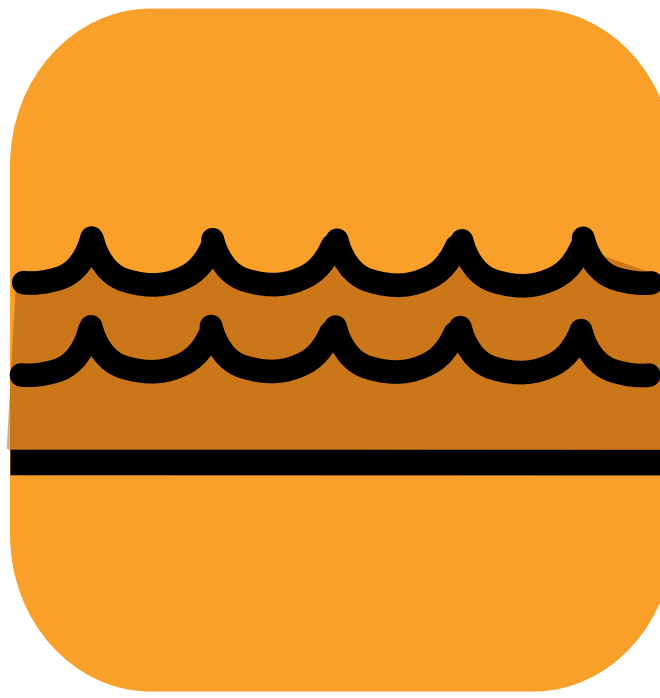
Better Workability
Pumpable & cohesive concrete placement



Reduced Segregation & Bleeding
Helps maintain uniform concrete consistency



Crack Resistance
Helps reduce crack formation from excess water movement



Reduced Water Penetration
Helps reduce permeability within concrete structures.



Improved Strength
Enhancement in compressive & flexural strength



Self-Curing Support
Supports internal moisture retention during curing.

PERFORMANCE IMPROVEMENT

	STANDARD CONCRETE	HIGH-STRENGTH CONCRETE	ULTRA-HIGH PERFORMANCE CONCRETE
Compressive	12% increase	10% increase	7% increase
Flexural	10% increase	8% increase	7% increase
Permeability	200% reduction	220% reduction	250% reduction



APPLICATION

Residential & Commercial



Roof slabs



Water tanks

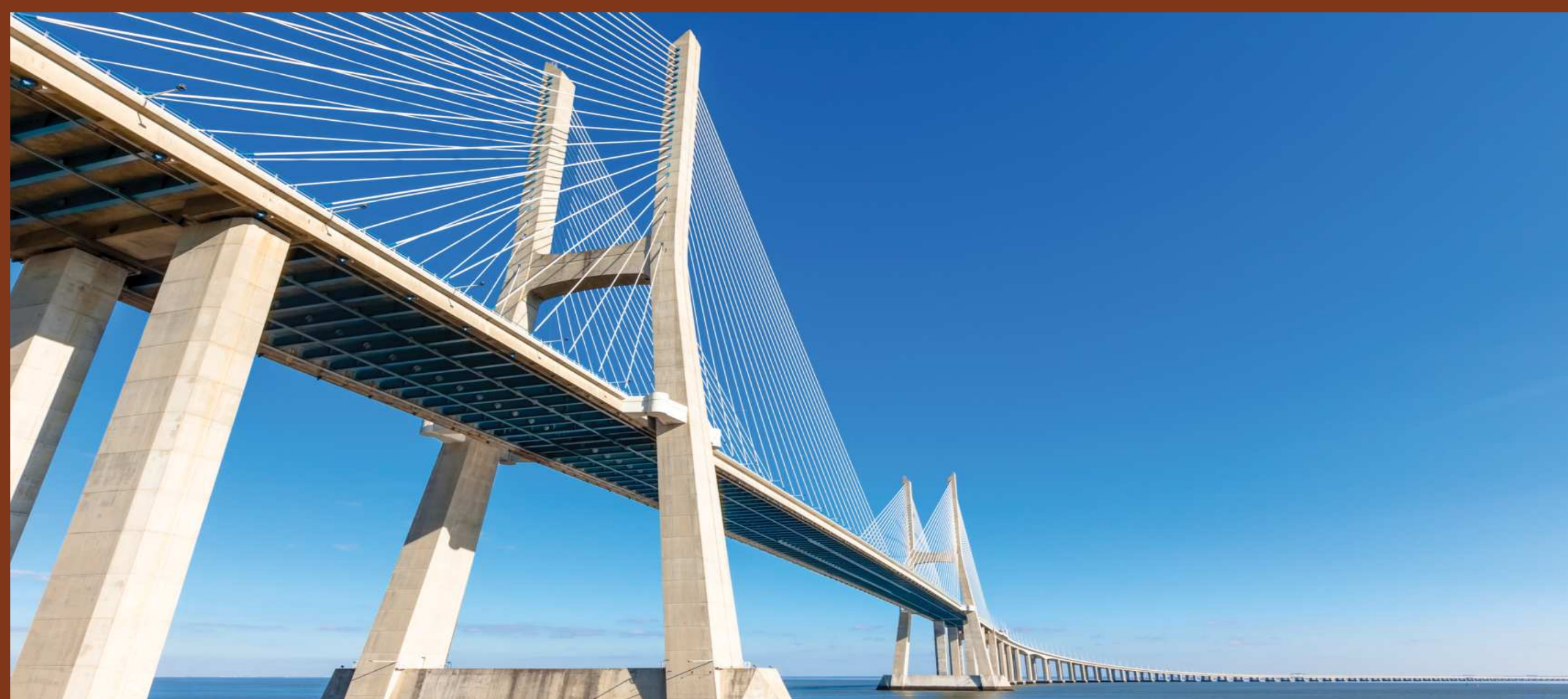


Basements

Roads & Infrastructure

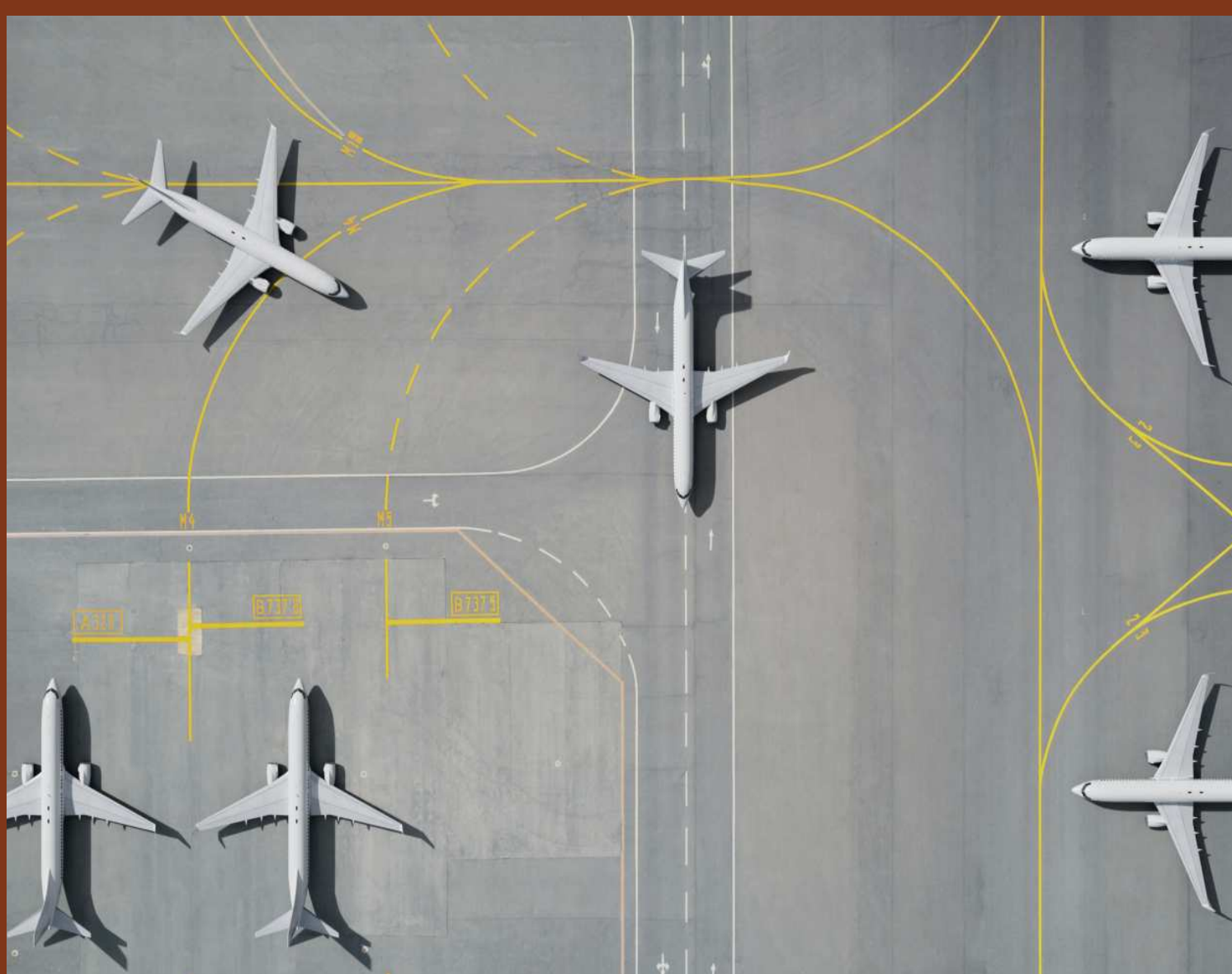


PQC



Bridge deck slabs

Aviation



Taxiways



Runways



Aprons

Industrial & Precast



Industrial flooring

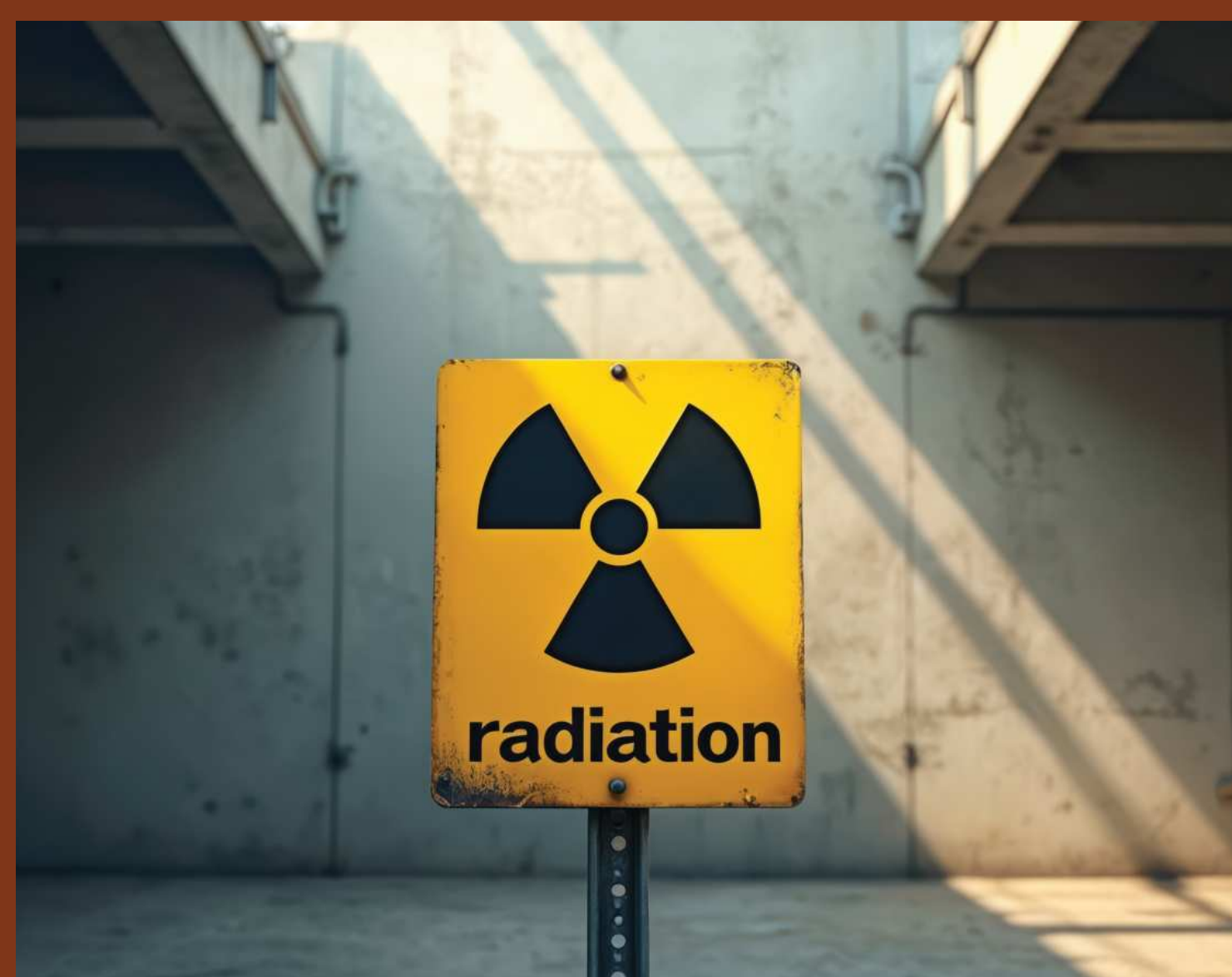


Hollow core slabs

Irrigation & Power



Canal Lining



Radiation Shielding



HT Tower Foundation

WHY SPEED RHEOCON

- ✓ Avoids internal concrete channel formation
- ✓ Helps reduce seepage pathways and thus improves cohesiveness and durability
- ✓ Excellent curing behaviour in the concrete matrix
- ✓ Suitable for multiple concrete grades

REFERENCE CODES

IS 269:2015 • IS 456:2000 • IRC-15
IRC:SP:49 • IRC:44

SPEED CEMENT LIMITED

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