CPSS
Capillary Pressure Sensor System

Avoid Concrete Shrinkage Cracks in:
• Concrete Pavements
• Bridge Decks
• Parking Garages

That Improves:
• Durability
• Service Life

Complete System to Measure Capillary Pore Pressure Right after Placement to Prevent Shrinkage Cracks Occurring before Strength Development – Sends Alert during Curing

Water is evaporating from the fresh concrete surface.
Menisci are formed between the particles at the surface.
Capillary pressure is built up which leads to contracting forces between the particles.
Shrinkage cracks are formed.