

Rheology & Viscosity Modifying Admixtures for Concrete

V-Mar® 3 is a viscosity-modifying admixture designed to improve concrete cohesion, stability, and resistance to segregation across a wide range of applications. It supports consistent performance in self-consolidating concrete, underwater placements, pumping applications, and mixtures containing blended cements, harsh aggregates, and/or manufactured sands. By helping retain mixing water within the concrete matrix, V-Mar® 3 can reduce bleeding and support improved resistance to plastic-shrinkage cracking. Its lubricating effect also facilitates forming, placing, pumping, and finishing, resulting in more consistent workability and a higher-quality surface finish.

V-Mar® 3: Workability Improvement

PURPOSE:

- Acts as a paste enhancer / stabilizer
- Increases moisture tolerance
- Prevents aggregate segregation

APPLICATION AREAS:

- Concrete paving
- Precast concrete
- Prestressed concrete
- Underwater concrete
- SCC
- Pumped concrete
- Concrete flatwork

BENEFITS:

- Greater consistency with suboptimal aggregates and moisture control in SCC
- Improves paste quality with harsh aggregates
- Regulates surface bleed
- Enhances surface appearance
- Minimal impact on air entrainment
- Helps mitigate plastic shrinkage cracks
- Enhances finishability of concrete flatwork
- Facilitates placement under difficult conditions (e.g., high winds, low humidity)
- Reduces pump pressure & aids slipform paving