

Rheology & Viscosity Modifying Admixtures for Concrete

V-Mar® F100 is formulated to enhance cohesion, lubricity, and flowability in zero-slump, low-slump, and very low water/cement ratio concrete applications. It supports smoother extrusion and more consistent production by improving the movement of concrete through forming equipment while helping the mixture maintain its shape after placement. V-Mar® F100 is particularly beneficial in mixtures containing harsh aggregates or manufactured sands, where it can improve workability and surface quality without significantly increasing slump. The result is more efficient placing and finishing, improved dimensional consistency, and a higher-quality finished product.

V-Mar® F100: Improved Lubricity

PURPOSE:

- Designed as a lubricant for zero & low slump or sticky low water high performance concrete mixes
- Enhances lubricity to both surface & matrix of concrete mixes

APPLICATION AREAS:

- Dry cast (e.g., Concrete pipe)
- Concrete extrusion (e.g., slipform paving, barrier wall & hollow core)
- Concrete paving
- Roller-compacted concrete
- Formed concrete
- Concrete flatwork

BENEFITS:

- Modifies concrete rheological properties for improved workability
- Enhances lubricity & reduces stickiness without addition of water
- Improves workability & placement without increasing slump
- Facilitates productivity & placement speed of low-slump & extruded mixes
- Reduces bugholes
- Aids in reducing concrete adhesion to equipment surfaces during production
- Enables faster discharge rates
- Reduces pump pressure & aids slipform paving