



## TIME-RELEASE POLYCARBOXYLATE ADMIXTURE

**PLASTOL AMP-X<sup>3</sup>****PRIMARY APPLICATIONS**

- Ready mixed concrete
- Precast/prestressed concrete
- Concrete with ranged slump requirements
- Self-consolidating concrete (SCC)
- Mining and tunneling concrete
- Flatwork and mass concrete
- For stable air and durable high flow concrete

**FEATURES AND BENEFITS**

- Improves finishability
- Improves workability
- No effect on set times
- Superior slump retention
- Improved air consistency
- Improved air properties when used with Euclid Chemical air entrainers
- Increases early and late age strengths
- Increases durability

**WHAT IS PLASTOL AMP-X<sup>3</sup>?**

PLASTOL AMP-X<sup>3</sup> is a unique ASTM C494 Type S admixture with unmatched workability extension compared to other admixtures on the market. It was formulated using an advanced chemistry of time-release polycarboxylate technology and has since been optimized for use in many concrete applications. It does not contain any chemicals known to promote corrosion of steel.

With the previous generation admixture technologies, adding water to ready mix trucks occurs frequently on site to adjust low slumps when the concrete arrives to the job. This, in turn, can lead to issues with air content, reduced strengths, aggregate segregation and reduced durability. The use of PLASTOL AMP-X<sup>3</sup> can benefit companies in concrete production, consistency and placement.

**BENEFITS TO THE CUSTOMER AND LABORERS**

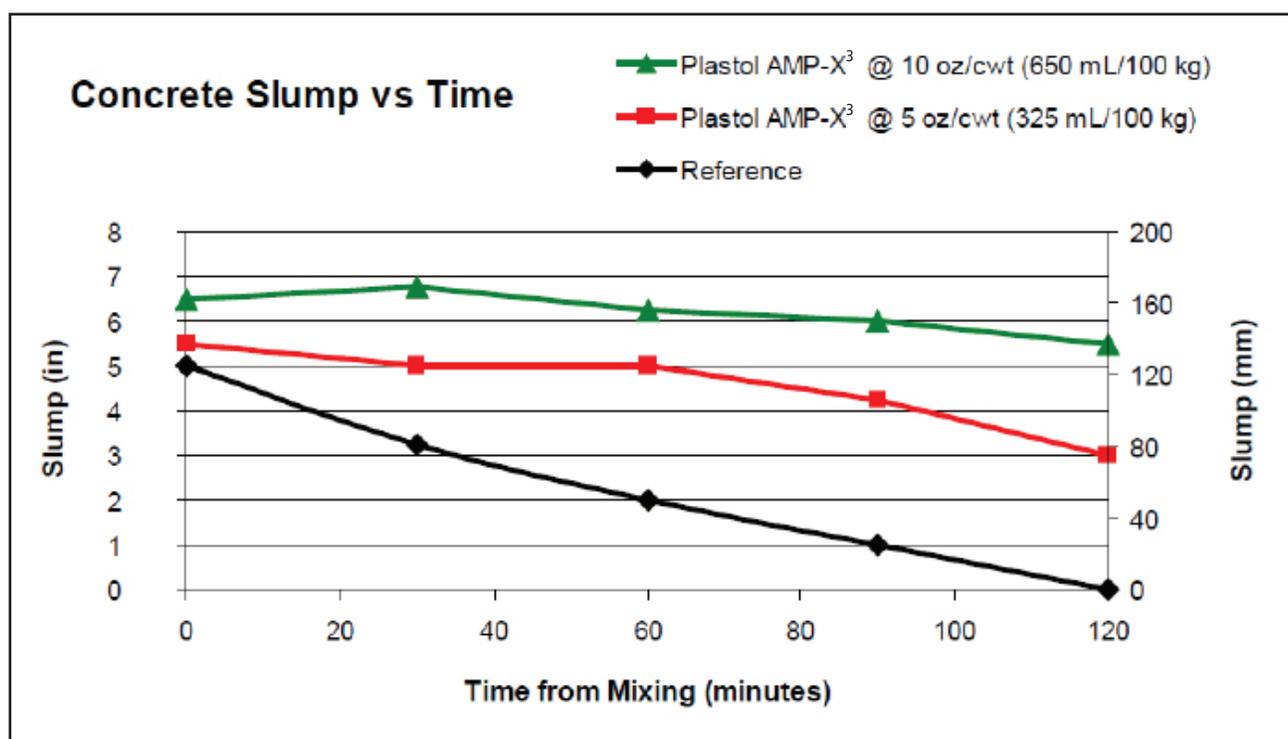
- Producers and laborers will appreciate longer concrete workability
- Lowers the number of rejected loads, saving time and money
- No added water required for slump adjustments
- Allows the producer to be flexible in adjusting slump retention according to environmental conditions, raw materials, temperature, job specifications, and transportation time
- Increased time range of concrete delivery for ready mix producers, allowing them to further expand their business
- Provides ready mix producers with a cost-effective way to keep consistency between loads of concrete with regards to slump, workability and air content
- Controlling the slump/flow of concrete from batching to placement



## PERFORMANCE FACTS

- Increased early and late age strength
- Extended workability with no effect on the set time
- Stable air throughout testing period
- Controlled slump for greater than 120 minutes

PLASTOL AMP-X<sup>3</sup> can be used at multiple dosages to meet a wide range of slump/workability retention requirements. These results were achieved using a typical slab on ground mix design of 600 lbs/yd<sup>3</sup> (360 kg/m<sup>3</sup>) of Type I cement and a 0.45 w/cm ratio. PLASTOL AMP-X<sup>3</sup> must be added into the batch water or onto freshly batched concrete. Thoroughly blend with the cement material and aggregate in the mix to make sure you get the best results and performance possible.



For more than 100 years, The Euclid Chemical Company has served as a leading supplier to the concrete and masonry industry, offering a full line of engineered concrete admixture and construction products marketed under the EUCO brand name. These products include concrete admixtures, block and masonry additives, curing and sealing compounds, epoxy adhesives, floor and wall coatings, structural grouts for columns, equipment and machinery, joint fillers and repair products. The Euclid Chemical Company strives to bring innovative technologies and products to the concrete market with industry-leading customer service.