



MID-RANGE WATER REDUCING ADMIXTURE

PLASTOL 6420



PRIMARY APPLICATIONS

- Ready mixed concrete
- Precast concrete
- Cast-in-place
- Self-consolidating concrete (SCC)
- Mixtures using Fly Ash, Slag and other pozzolans

FEATURES AND BENEFITS

PLASTIC

- Improves finishability
- Improves workability
- Reduces water requirements
- Neutral effect to setting times
- Excellent slump retention
- Produces a cohesive, non-segregated concrete
- Full range of water reduction capabilities
- Improved air consistency
- Improved air stability when used with EUCON AIR MAC admixture technology

HARDENED

- Increases early age and late age compressive strengths
- Reduces permeability
- Increases durability

WHAT IS PLASTOL 6420?

PLASTOL 6420 is a polycarboxylate based mid-range water reducing and plasticizing admixture for concrete. PLASTOL 6420 has the unique ability to be used in many different concrete applications, providing a multitude of both hardened and plastic concrete benefits. PLASTOL 6420 is flexible enough to use as an ASTM C 494 Types A and F water reducer. PLASTOL 6420 will show improved finishing characteristics, along with many other features when compared to other common Type A (5 to 6% water reduction) or Type F (12 to 15% water reduction) admixtures. This admixture is perfect for use in everything from every day concrete to high performance mixes and does not contain calcium chloride.

FEATURES/BENEFITS TO THE CUSTOMER AND LABORERS

- Improved finishability and workability
- Economic benefits to the entire construction team with reduced costs, less labor intensive work and better productivity
- Enables very low w/cm ratio concrete for a more durable and lasting product
- When increased travel time/retention is required, use PLASTOL AMP-X³ in conjunction with PLASTOL 6420



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PERFORMANCE FACTS

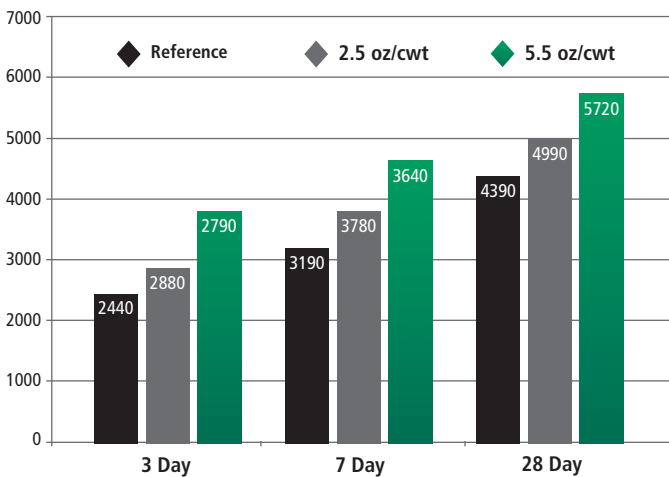
- Increased early and late age strengths
- No effect on the set time
- Stable air throughout testing period
- Reduced water demand to enhance slump of the mix

PERFORMANCE DATA

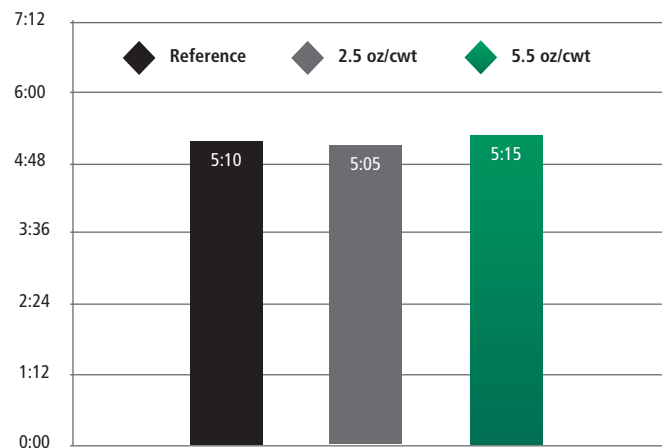
PLASTOL 6420 can be used at multiple dosages to meet a full range of water reduction requirements. Sample results tested under ASTM C494 mix design requirements can be seen below. Using 517 lb/yd³ (307 kg/m³) cement content and similar ($\pm 0.5\%$) air content. These results were obtained under laboratory conditions with materials and mix designs meeting the specifications of ASTM C494 Types A and F. Changes in materials and mix designs can effect the dosage response of PLASTOL 6420.



Plastol 6420 Compressive Strength Data (psi)



Plastol 6420 Set Time Results (hr:min)



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.