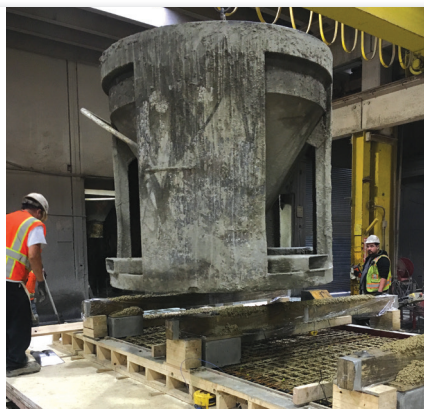
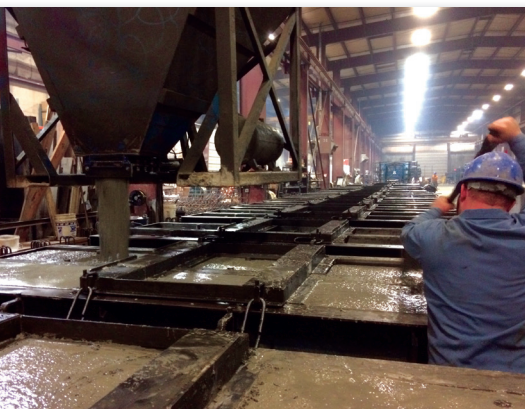




EUCLID CHEMICAL

## HIGH-RANGE SUPERPLASTICIZING ADMIXTURE

# PLASTOL ULTRA 209



### PRIMARY APPLICATIONS

- Precast/prestressed concrete
- Self-Consolidating Concrete (SCC)
- High slump, flowable concrete
- Low water-to-cement ratio concrete
- High early strength concrete
- Ready mix concrete
- Flatwork and mass concrete
- Pervious concrete

### FEATURES AND BENEFITS

- Superior slump gain
- Fast wet out of powder content
- Improved cement hydration
- Full range of water reduction
- Enables concrete to be produced with very low w/cm ratios
- Consistent control of air content
- Higher early and ultimate strengths
- Lowers number of rejected loads
- Quicker stripping times
- Improves finishability
- Improves workability
- Neutral effect to setting times

### WHAT IS PLASTOL ULTRA 209?

PLASTOL ULTRA 209 is a high-range water reducing admixture that is formulated with the latest advancements in polycarboxylate chemistry. Created primarily for use in the precast/prestressed concrete industry, it still has the unique ability to be used in various concrete applications. The use of PLASTOL ULTRA 209 provides a large variety of both plastic and hardened concrete benefits, including but not limited to: consistent air contents, excellent strength gain characteristics, maximized cement efficiency, increased flowability, improved finishability, and improved surface appearance. PLASTOL ULTRA 209 meets or exceeds the requirements of ASTM C494 Types A and F.

### FEATURES/BENEFITS TO THE CUSTOMER AND LABORERS

- Improved finishability, workability and concrete placement
- Economic benefits of reduced costs, less labor intensive work and better productivity
- Producing very low w/cm ratio concrete for a more durable and long-lasting
- Low dosage with high efficiency
- Quick wet out technology

### PERFORMANCE FACTS

- Reduced water demand that enhances workability and strength of the mix
- Increased early and late age compressive strength
- Neutral effect on the set time
- Stable air throughout testing period



SS103 © 2018



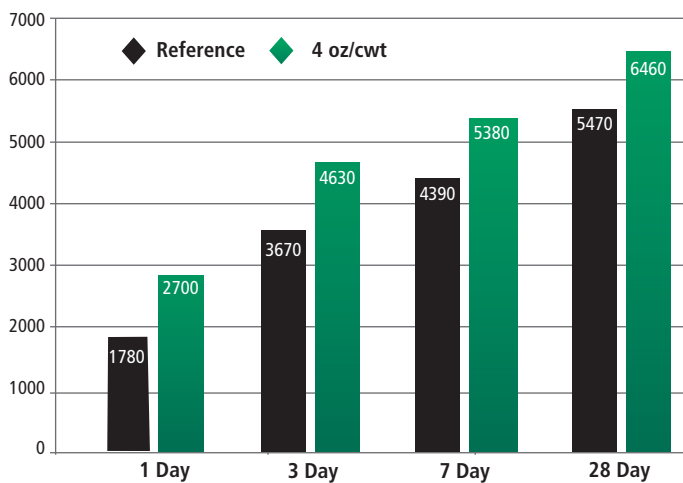
## PERFORMANCE DATA

PLASTOL ULTRA 209 can be used at multiple dosages to meet a full range of water reduction requirements, and will improve many other features when compared to other common Type A (5% to 6% water reduction) or Type F (12% to 15% water reduction) admixtures.

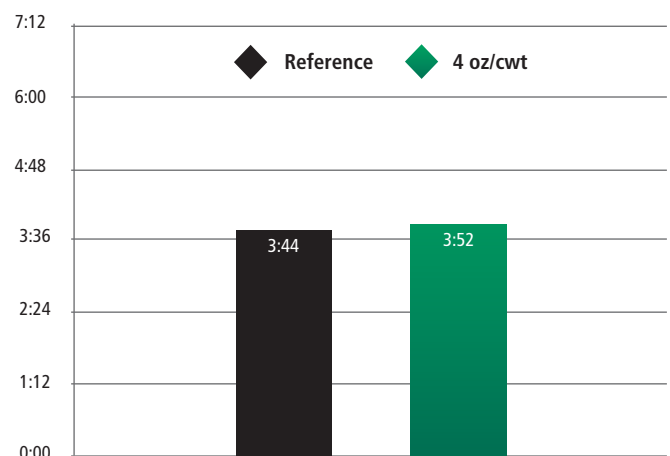
The following test results were achieved using typical ASTM C494 mix design requirements: 517 lb/yd<sup>3</sup> (307 kg/m<sup>3</sup>) cement content and similar ( $\pm 0.5$ )% air content. These results were obtained under laboratory conditions with materials and mix designs meeting the specifications of ASTM C494 Types A and F. Changes in materials and mix designs can effect the dosage response of PLASTOL ULTRA 209.



PLASTOL ULTRA 209 Compressive Strength Data (psi)



PLASTOL ULTRA 209 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.