



PLASTOL™ 6425

HIGH RANGE WATER REDUCER - SUPERPLASTICIZER**EUCLID CHEMICAL**

PRODUCT INFORMATION

PACKAGING

Packaged in bulk, 275 gal (1041 L) totes, 55 gal (208 L) drums, and 5 gal (18.9 L) pails

SHELF LIFE

1 year in original, unopened container

SPECIFICATIONS/COMPLIANCES

ASTM C494, Type A & F

ASTM C1017 Type I

AASHTO M194

DESCRIPTION

PLASTOL 6425 is a ready to use polycarboxylate based, high range water reducing admixture for concrete. PLASTOL 6425 increases early and ultimate strength. PLASTOL 6425 can be used to produce higher slump or to significantly reduce water demand for a specific slump. PLASTOL 6425 can be added at the plant or job site and can be used with supplementary cementitious materials. It's also compatible with most admixtures however, each chemical should be added separately to the mix and this product contains no added chlorides or chemicals known to promote the corrosion of steel.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Allows for cement reduction
- Improved air content stability
- Improves workability / finishability
- Reduces water requirement for better strength
- Greatly improves durability and finished appearance
- Reduces segregation, bleeding, cracking and permeability

PRIMARY APPLICATIONS

- Ready mix concrete
- Heavily reinforced concrete
- High performance concrete
- Flatwork and mass concrete
- Precast / prestressed concrete
- Self Consolidating Concrete (SCC)
- Very flowable, high slump concrete

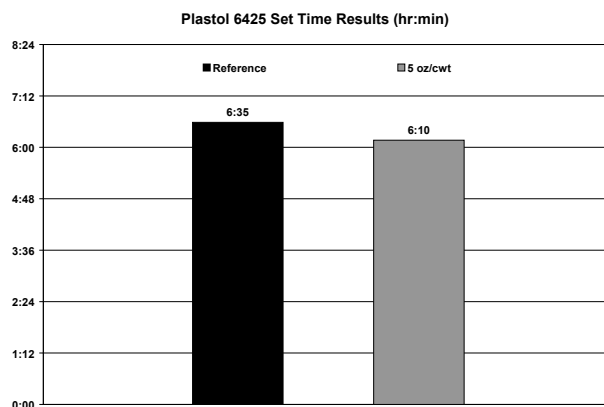
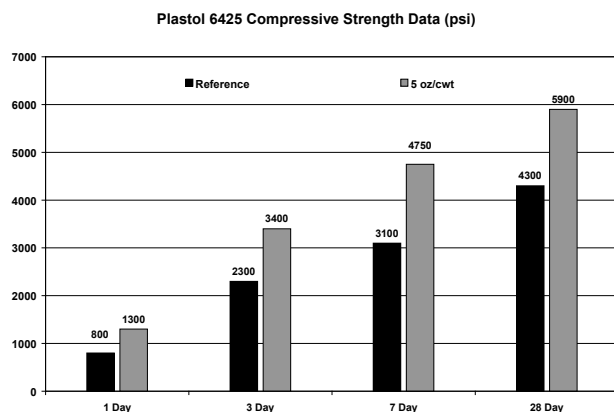
PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain PLASTOL 6425 above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated. Do not agitate with air or an air lance.
- If re-dosing PLASTOL 6425 at the job site, it is recommended that the air content of the concrete mix is checked to conform to job specifications.
- Add to mix independent of other admixtures.
- In all cases, consult the Safety Data Sheet before use.

TECHNICAL INFORMATION

PERFORMANCE DATA

The following test results were achieved using typical ASTM C494 mix design requirements, 517 lb/yd³ (307 kg/m³) cement content and similar (± 0.5)% air content. These results were obtained under laboratory conditions with materials and mix designs meeting the specifications of ASTM C494. Changes in materials and mix designs can affect the dosage response.



DIRECTIONS FOR USE

PLASTOL 6425 has a recommended dosage range of 3 - 15 oz/100 lbs (200 - 1000 mL/100 kg) of cementitious material. Dosage recommendations depend on the characteristics of the materials being used in the mix design. Higher dosages are acceptable with prior testing and confirmation of the desired performance with specific materials used. PLASTOL 6425 can be added to the initial batch water or directly on the freshly batched concrete and mixed for approximately 5 minutes or 70 revolutions. However, better results have been observed batching directly on the freshly batched concrete. It should not come into contact with dry cement or other admixtures until mixed thoroughly with the concrete batch.

For any concrete application including Self Consolidating Concrete (SCC), the dosage of PLASTOL 6425 will vary depending on the mix design, local materials, and individual needs of the concrete producer. Trial mixes should be run to verify plastic and hardened performance with local materials. If the material gradations are not optimum for SCC, a viscosity modifier may be used to improve the quality of the mix. Please consult a local Euclid Chemical Sales Professional for trial mixtures and dosage recommendations.

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