Plastol 341S

Mid-Range/High Range Water Reducing Admixture

EUCLID CHEMICAL

Description

PLASTOL 341S is a polycarboxylate based plasticizing admixture for concrete which is flexible enough to use as an ASTM C 494 Type A & Type F water reducer. Plastol 341S is a mid-range/high range water reducing and plasticizing admixture for concrete. Plastol 341S shows improved finishing characteristics when compared to other commonly used Type A (typically 5 to 6% water reduction) or Type F (typically 12 to 15% water reduction) admixtures. This mid-range approach to water reducing admixtures allows for a wide range of usable dosage rates for a broad application spectrum. PLASTOL 341S does not contain calcium chloride.

Primary Applications

- Ready mix concrete
- Precast concrete
- Cast in place
- Self-consolidating concrete
- Concrete mixtures utilizing Fly Ash, Slag or other natural pozzolans

Features/Benefits

Plastic Concrete

- Improves finishability
- Improves workability
- Reduces water requirement
- Improves setting times
- Superior slump retention

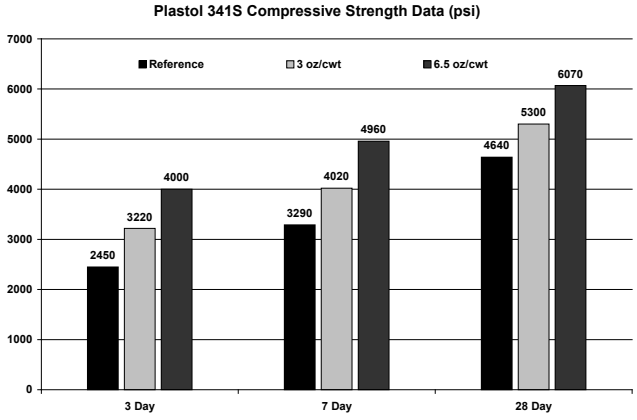
Hardened Concrete

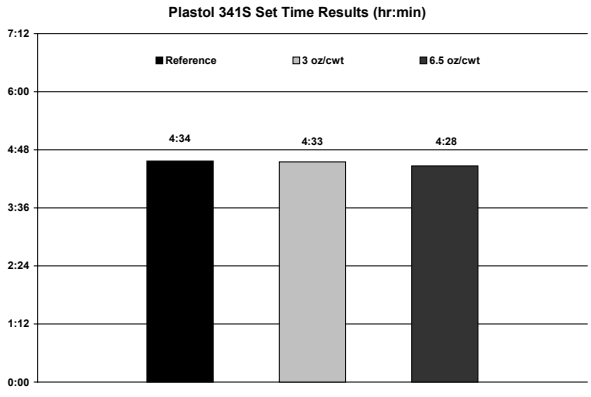
- Increases early and late age strengths
- Reduces permeability
- Increases durability

Technical Information

The following test results were achieved using typical ASTM C 494 mix design requirements, 517 lb/yd^3 (307 kg/m^3) 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 C 494. Changes in materials and mix designs can affect the dosage response of PLASTOL 341S.





19215 Redwood Road • Cleveland, OH 44110
800-321-7628 t • 216-531-9596 f

www.euclidchemical.com

Packaging

PLASTOL 341S is 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

PLASTOL 341S meets or exceeds the requirements of:

- ASTM C 494, Type A and Type F
- AASHTO M 194

Directions for Use

PLASTOl 341S is typically used at dosages of 2 to 10 oz per 100 lbs (130 to 650 mL per 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 being used.

PLASTOL 341S should be added to the initial batch water when possible. It should not come in contact with dry cement or other admixtures until mixed thoroughly with the concrete batch.

Field testing is strongly recommended to optimize dose range and performance expectations with local materials.

Plastol 341S is compatible with most admixtures including air-entraining agents, accelerators, most water-reducers, retarders, shrinkage reducers, corrosion inhibitors, viscosity modifiers, and microsilica; however, each material should be added to the concrete separately.

Precautions/Limitations

- Care should be taken to maintain PLASTOL 341S above freezing.
- Never agitate with air.
- Add to concrete mix independent of other admixtures.
- In all cases, consult the Safety Data Sheet before use.

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