

MID RANGE WATER REDUCERS

Master Format #: 03 30 00 03 40 00 03 70 00

PLASTOL™ 341S

MID/HIGH RANGE - WATER REDUCING ADMIXTURE



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

AASHTO M194

DESCRIPTION

PLASTOL 341S is a mid/high range water reducing and plasticizing polycarboxylate admixture for concrete. Plastol 341S shows improved finishing characteristics when compared to other commonly used Type A (typically 5-6% water reduction) or Type F (typically 12-15% 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 contains no added chlorides or chemicals known to promote the corrosion of steel.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Improves workability / finishability
- Reduces water requirement
- Superior slump retention
- Increases strength at all ages
- Reduces permeability
- Improves finished appearance
- Increases durability
- Neutral effects on setting time

PRIMARY APPLICATIONS

- Ready mix concrete
- Precast concrete
- Cast in place
- Self-consolidating concrete
- Concrete containing fly ash and other pozzolans

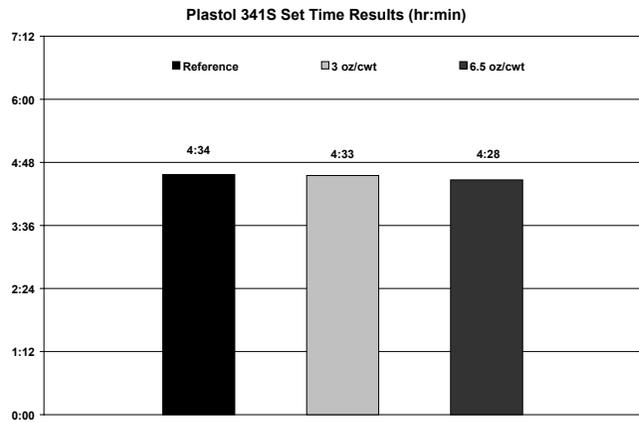
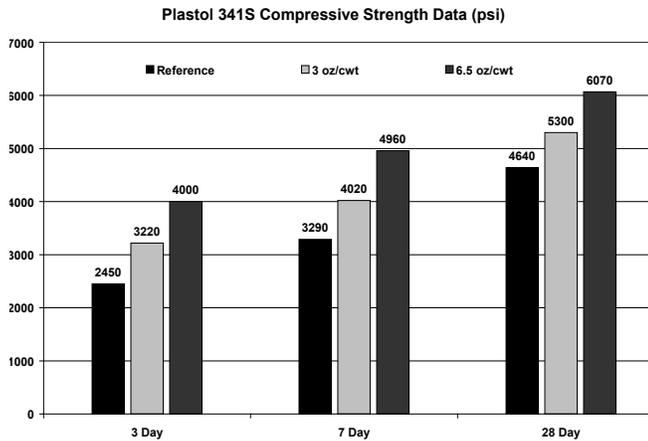
PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain PLASTOL 341S above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated. Do not agitate with air or an air lance.
- 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 341S has a recommended dosage range of 2-10 oz/100 lbs (130-650 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 341S should be added to the initial batch water when possible. It should not come in contact with dry cement or other admixtures until they are mixed with the concrete batch. Field testing is strongly recommended to optimize dosage range and performance expectations with local materials. Plastol 341S is compatible with other Euclid Chemical 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.

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