

## HIGH RANGE WATER REDUCERS

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

# PLASTOL™ RX10

## 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 RX10 is a next generation mid/high range water reducing and plasticizing polycarboxylate admixture with improved workability retention and performance with Type IL cements and supplementary materials, such as fly ash, and other pozzolans. PLASTOL RX10 shows enhanced 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 multi-range approach to water reducing admixtures allows for a wide range of usable dosage rates for a broad application spectrum. PLASTOL RX10 contains no added chlorides or chemicals known to promote the corrosion of steel.

### PRODUCT CHARACTERISTICS

#### FEATURES & BENEFITS

- Improves workability retention without significantly delaying the set time of the concrete
- Reduces water requirement
- 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 concrete
- Self-consolidating concrete
- Concrete containing fly ash and other pozzolans

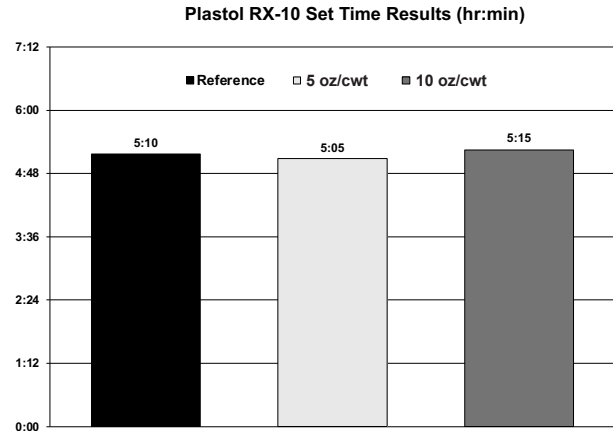
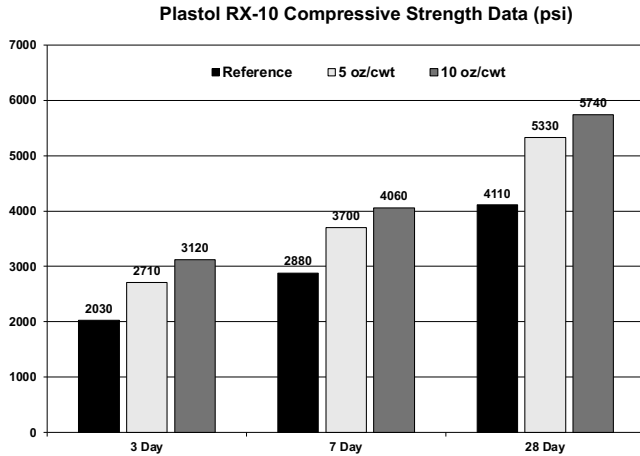
### PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain PLASTOL RX10 above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated. Do not agitate with air.
- 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/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. Changes in materials and mix designs can affect the dosage response



## DIRECTIONS FOR USE

PLASTOL RX10 has a recommended dosage range of 2-16 oz/100lbs (130-1040 mL/100 kg) of cementitious material.

PLASTOL RX10 typically is used as an ASTM C494, Type A at 2 - 8 oz/cwt (130 - 515 mL/100 kg) of cementitious material; and as an ASTM C494, Type F at 8 - 16 oz/cwt (515 - 1040 mL/100 kg).

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.

Dosages of PLASTOL RX10 to make SCC will vary depending on mixture design. Trial mixtures should be done to verify plastic and hardened performance with local materials.

PLASTOL RX10 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 dispensing directly on the freshly batched concrete.

PLASTOL RX10 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 RX10 is compatible with most Euclid Chemical admixtures including air entraining agents, accelerators, most water reducers, retarders, shrinkage reducers, corrosion inhibitors, viscosity modifiers, strength enhancers, rheology modifiers, finishing aids, water repellents, and microsilica; however, each material should be added to the concrete separately.

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