



**EUCLID CHEMICAL**

**WATER REDUCING AND STRENGTH ENHANCING**

**EUCON SE**



**PRIMARY APPLICATIONS**

- Concrete requiring water reduction and set time control
- General ready mix concrete
- Architectural concrete
- Hot weather concrete
- Mass concrete
- Flatwork concrete

**FEATURES AND BENEFITS**

**PLASTIC**

- Improves finishability
- Improves workability
- Reduces water requirements
- Retards setting characteristics

**HARDENED**

- Chemically enhanced early and ultimate compressive strengths
- Improves finished appearance
- Increases durability
- Reduces cracking
- Reduces permeability
- Increases all strengths

**WHAT IS EUCON SE?**

EUCON SE is a synthetically produced liquid water reducer. It is uniquely formulated to have a neutral effect on air content and promote improved early and late age strengths, compared to standard water reducing technology. EUCON SE has been scientifically refined and specifically engineered to provide synergistic properties when combined with the polycarboxylate based PLASTOL line of Euclid Chemical admixtures. This admixture has been optimized for use in many concrete applications. EUCON SE meets or exceeds the requirements of ASTM C494 Types A & D, and does not contain calcium chloride or other potential corroding materials, and may be used in the presence of aluminum or zinc metals. EUCON SE is also compatible with other admixtures, but they must be added separately to the mix.

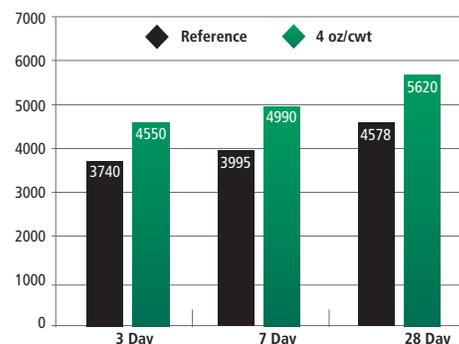
**LABORATORY PERFORMANCE FACTS**

- Controlled workability with low w/cm ratio
- Increased early and late age strength
- Consistent and stable air in trial mixes
- Extended concrete set time
- Significantly improved effect (synergistic) with Euclid's PLASTOL series admixtures
- High efficiency at low dosage

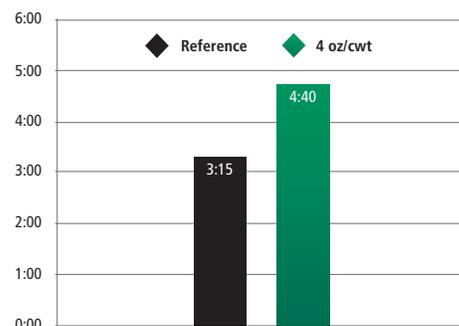
**PERFORMANCE DATA**

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

**EUCON SE Compressive Strength Data (psi)**



**EUCON SE Set Time Results (hr:min)**





# CONCRETE & MASONRY ADMIXTURE PRODUCTS

## ACCELERATORS

- Chloride
- Non-Chloride

## RETARDERS

## AIR ENTRAINERS

## WATER REDUCERS

## MID-RANGE WATER REDUCERS

## HIGH RANGE WATER REDUCERS

## POWDERED ADMIXTURES

## MASONRY / MCP PRODUCTS

- Plasticizing
- Integral Water Repellency
- Efflorescence Control

## MORTAR ADMIXTURE PRODUCTS

## SPECIALTY PRODUCTS

- Air Detrainers
- ASR Control
- Corrosion Inhibitors
- Flowable Fill
- Hydration Stabilizers
- Micro Silica
- Rheology Modifiers
- Shrinkage Compensation
- Shrinkage Reduction
- Waterproofing
- Workability Extending

## INCRETE COLOR

- Integral Colors

## FIBER PRODUCTS

- Micro Synthetic
- Macro Synthetic
- Steel

## MISCELLANEOUS PRODUCTS

- Form Release Agents
- Surface and Evaporation Retardants
- Equipment Cleaners
- Dust Control

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.