

## SPECIALTY ADMIXTURES

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

# EUCON™ AWA

## ANTI-WASHOUT/RHEOLOGY MODIFYING ADMIXTURE



EUCLID CHEMICAL

### PRODUCT INFORMATION

#### PACKAGING

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

#### SHELF LIFE

6 months in original, unopened container

#### SPECIFICATION/COMPLIANCES

ASTM C494 Type S

### DESCRIPTION

EUCON AWA is a ready to use liquid admixture designed to prevent the loss of cement and fine aggregate during the placement of underwater concrete. EUCON AWA is a blend of different powerful ingredients and colloidal agents that act primarily on the water preventing the cement paste from washing out during casting under water. EUCON AWA provides superior slump retention while greatly reducing the environmental impact due to cement wash out in below water applications.

### PRODUCT CHARACTERISTICS

#### FEATURES & BENEFITS

- Minimal environmental impact due to cement washout
- Greatly reduces or eliminates concrete bleed water
- Superior slump retention
- Does not effect water demand when slump is maintained
- Eliminates the need for de-watering during underwater construction
- Easily metered with standard admixture dispensing equipment

#### PRIMARY APPLICATIONS

- Underwater bridge repair
- Dam repair below the waterline
- Underwater grouting and mortar application
- Damming underground rivers/lakes in mining operations
- Anti-segregation aid for use with lightweight and heavyweight aggregates
- Reduction or elimination of concrete bleed water for use with fast track construction

### PRECAUTIONS/LIMITATIONS

- Do not allow material to freeze.
- The Euclid Chemical Company recommends running trial batches prior to use to determine the effect on the workability, air entrainment, setting times, and hardened concrete properties.
- Naphthalene based superplasticizers must be used to increase slump after the addition of EUCON AWA.
- Significant set retardation may occur with the use of this product.
- In all cases, consult the Safety Data Sheet before use.

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## DIRECTIONS FOR USE

### Underwater Applications

To reduce the washout of cement and fine aggregates when placing concrete underwater, 10 - 32 oz/100 lbs (0.65 - 2.1 L/100 kg) of cement is recommended. At a dosage rate of 25 oz/100 lbs (1.6 L/100 kg) of cement, set retardation may be 6 to 10 hours. In non air entrained concrete applications, the concrete should be batched and the slump adjusted either with water or HRWR prior to the addition of EUCON AWA.

Do not use water to adjust slump after EUCON AWA has been dispensed, instead, adjust slump through the use of a Naphthalene based superplasticizer such as EUCON 37. **Do not use a polycarboxylate based superplasticizer.** Contact Euclid Chemical for a product recommendation.

If air entrainment is desired, the addition of the air entraining admixture should be done at the beginning of the batching sequence. EUCON AWA should be added before the HRWR to insure an adequate air void system.

For further recommendations on underwater concreting and underwater concrete mix designs, please consult the ACI 304, "Measuring, Mixing, Transporting and Placing Concrete".

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