

CEMTEC AWA

ANTI-WASHOUT ADMIXTURES

DESCRIPTION

CEMTEC AWA is a ready to use liquid admixture designed to prevent the loss of cement and fine aggregate during the placement of underwater concrete. CEMTEC AWA provides superior slump retention while greatly reducing the environmental impact due to cement wash out in below water applications.

FEATURES & BENEFITS

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

BASIC USES

- 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

APPEARANCE

CEMTEC AWA is a medium viscosity, dark brown liquid which will not discolor concrete.

DIRECTION FOR USE

Underwater Applications:

To reduce the washout of cement and the fine aggregates when placing concrete underwater, 0.65-2.1 L / 100 kg of cement is recommended. The concrete should be batched and the slump adjusted with either water or a super plasticizer prior to the addition of CEMTEC AWA. At a dosage rate of (1.6 L / 100. kg) of cement set retardation may be 6-10 hours. Do not use water to adjust slump after CEMTEC AWA has been dispensed, instead, adjust slump

through the use of a melamine-based or naphthlenebased super plasticizer such as CEMTEC 400.

If air entrainment is desired, the addition of the air entraining admixture should be added after CEMTEC AWA

For further recommendations on underwater concreting and underwater concrete mix designs, please consult the ACI Manual of Concrete Practice 304 R, Chapter 8.

Anti-segregation Application:

To reduce segregation in a concrete mix containing lightweight or heavy weight aggregates, 0.07-0.98L/100kg of cement is recommended.

Air entraining admixtures should be added after the addition of CEMTEC AWA

Anti -Bleed Application:

To reduce or eliminate bleed water in fast track construction, 0.07-0.78 L/100kg of cement is recommended. Air entraining admixtures should be added after the addition of CEMTEC AWA.

PRECAUTIONS/ LIMITATIONS

- Do not allow material to freeze.
- Air entraining agents must be added last.
- Super plasticizers must be used to increase slump after the addition of CEMTEC AWA
- Significant set retardation may occur with the use of this product

TD/PDS/0508/B

COVERAGE	Contact CMCI Tech Dept
PACKAGING	CEMTEC AWA is packaged in 210 ltr drums and 20ltr pails.
COLOR	Contact CMCI Tech Dept

Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no warranty and or responsibility is assumed on the performance of work completion executed with use of our products.

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