

PRODUCT NAME

Adi-Con™ AWA 100

Anti-washout admixture



MANUFACTURER

Gemite® Products Inc.

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FEATURES

- Provides excellent anti-washout properties in under water applications
- Eliminates sedimentation and segregation
- Eliminates “bleeding” in concrete
- Readily soluble and stable in water cement systems
- Does not affect the cement hydration process.
- Effective at low levels
- Minimal effect on setting time
- Reduces fluid loss in cement grout
- Imparts cohesiveness to the grout
- Does not entrain air
- Does not foam
- May require an addition of a high range water reducing agent in some applications

PRODUCT DESCRIPTION

Basic Use

Adi-Con AWA 100 is an effective anti-washout admixture in concrete placed under water. It produces a cohesive mix which retains its integrity as it passes through the surrounding water and consolidates. The cement paste stays in intimate contact with the aggregate particles, instead of being washed away at the surface of the concrete mix.

In grouting applications it reduces water loss and sedimentation of cement particles. It imparts cohesiveness to the grout. In grouting of post-tensioned tendons it minimizes water accumulation under the tendon.

One of the key advantages of *Adi-Con AWA 100* vs less expensive *Adi-Con AWA 200* is that it can be used in combination with economical *Adi-Con SP 100* superplasticizer. It can also be used with *Adi-Con SP 200* and highly effective *Adi-Con SP 500*.

Composition and Materials

Adi-Con AWA 100 is a dry, free flowing powder.

Limitations

In some applications high range water reducing agent *Adi-Con SP 100* may have to be used to maintain the design fluidity of the

grout or slump of concrete. Also, the flow characteristics of grouts and concrete depend greatly upon the type of cement, concrete design and other factors. All these may effect the required dosage of the admixtures. It is the responsibility of the user to check with Gemite Products Inc. Technical Service additional information regarding the use of *Adi-Con AWA 100*.

Health and Safety

Adi-Con AWA 100 is non-toxic and nonflammable powder. Avoid contact with eyes and prolonged contact with skin. Harmful if digested. Keep product out of reach of children. For industrial use only. Consult MSDS for additional information.

Packaging

Adi-Con AWA 100 is supplied in 25 kg paper drums. There 16 drums on a pallet.

Dosage

The dosage varies depending upon the use. Typical dosages of *Adi-Con AWA 100* vary from 0.05 - 0.2 % by the weight of cementitious material. In applications where the fluidity of grout or the concrete slump has to be maintained *Adi-Con SP 100*, a high range water reducing agent, may have to be used in addition to *Adi-Con AWA 100*. The typical dosages of *Adi-Con SP 100* will vary between 0.5 - 1.0% by the weight of cementitious material. The exact dosages must be determined for specific cement, grout or concrete mix design and application. Please contact Gemite Technical Service for additional information

Storage and Transportation

Adi-Con AWA 100, stored on pallets, has 12 months shelf life. It must be kept in dry environment.

TECHNICAL DATA

Chemical nature	Polysaccharide
Physical form	Free flowing powder
Moisture content	8%
Particle size	> 100 microns

Please contact Gemite Technical Service for additional data.

INSTALLATION

Current Guide Specification and Application Instructions contain additional information specific to each application and must be followed.

USE

There are two basic methods for mixing the *Adi-Con AWA 100* into grout or concrete.

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A. The dry powder *Adi-Con AWA 100* (with or without *Adi-Con SP 100*) is preblended with cement or concrete in dry form and the dry blend is then mixed with water to form fluid grout or concrete.

B. *Adi-Con AWA 100* is first dissolved in water (with or without *Adi-Con SP 100*) and then introduced into cement grout or concrete while these are being mixed. The second method, the pre-dissolving with mixing water is more efficient and preferable.

Contact Gemite Technical Service for more information regarding the mixing procedures.

AVAILABILITY AND COST

Adi-Con AWA 100 is available worldwide. Contact Gemite Products Inc. for the name of the nearest Representative/Distributor and for current pricing information.

MAINTENANCE

None required

WARRANTY

A limited twelve (12) month Material Replacement Warranty is available. For complete details contact Gemite's Head Office.

TECHNICAL SERVICE

Technical advice on the suitability of *Adi-Con AWA 100* for a specific application, end use requirements and Specification assistance is available from Gemite's Technical Service: US 888-443-6483 or Canada 905-672-2020.

Short Specification

Anti-washout agent (viscosity control) admixture will be *Adi-Con AWA 100* as manufactured by Gemite Products Inc., 1787 Drew Road, Mississauga, Ontario, L5S 1J5, Phone (905) 672-2020, Fax (905) 672-6780 or 160-3840 East Robinson Road, Amherst New York 14228, Phone (888) 443-6483 , Fax (888) 443-6329. It will be used according to the latest manufacturers specifications and application instructions.