

PRODUCT NAME

Adi-Con™ CW Plus

Waterproofing Admixture for Concrete and Mortar



MANUFACTURER

Gemite® Products Inc.

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USA

160-3480 East Robinson Rd.

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Phone 888-443-6483

FEATURES

- Chloride free
- Provides integral waterproofing
- Increases chemical resistance
- Minimal effect on setting times
- Simple use
- Dry powder
- Economical

PRODUCT DESCRIPTION

Basic Use

Adi-Con CW Plus is an integral waterproofing admixture for Portland cement based concrete and mortars, based on crystalline waterproofing mechanism.

Composition and Materials

Adi-Con CW Plus is a dry, free flowing powder containing a blend of inorganic and organic chemicals, a small amount of sand and silica based materials. The reactive materials react with lime generated by the hydration reaction of cement and “plug” the capillary porosity, making concrete watertight under water head pressure.

Limitations

Adi-Con CW Plus is a reactive material. It may either accelerate or retard the setting characteristics of concrete or mortar depending on the specific cement chemistry, water/cement ratio and temperature. Therefore it is necessary to evaluate the setting characteristics of specific concrete or mortar mix design prior its use. The required dosage will depend upon the application. It is the responsibility of the user to check with Gemite Products Inc. Technical Service the suitability of this admixture in a given application.

Health and Safety

Adi-Con CW Plus is an alkaline powder. Avoid contact with eyes and skin. Wear protective equipment during handling. Harmful if digested. Keep product out of reach of children. For industrial use only. Consult MSDS for additional information.

Packaging

Adi-Con CW Plus is supplied in 22.7 kg (50 lbs) paper bags or 27.3 kg (60 lbs) pails.

Dosage

Adi-Con CW Plus is used in quantities varying from 1 to 2% by the weight of cementitious material in the mix. Contact Gemite Products Inc. for additional information regarding dosage for specific applications.

Storage and Transportation

Adi-Con CW Plus, stored in dry environment at temperature above 7°C (45°F) has 12 months shelf life.

TECHNICAL DATA

Chemical nature	Blend of organic and inorganic chemicals
Physical form	Free flowing, gray powder
Bulk Density (g/cm ³)	Approx 1.4 g/cm ³
Water pressure resistance	40-140 m (131-460 ft) depending on dosage and concrete mix design

INSTALLATION

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

USE

Adi-Con CW Plus is mixed with concrete or mortar at the time of batching. The procedure for adding the admixture will vary according to the type of batch plant operation and equipment. Please contact Gemite Technical Service for additional information regarding procedures in various batch plant operations. It is important to obtain a homogenous mixture of *Adi-Con CW Plus* with the concrete or mortar. Do not add *Adi-Con CW Plus* powder directly to wet concrete or mortar as it may cause clumping, without a uniform dispersion of the admixture in the mix.

AVAILABILITY AND COST

Adi-Con CW Plus 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.

Gemite Products Inc.
July 2004

3 & 7

03 05 00 Common Work Results for Concrete
07 16 00 Reactive Waterproofing

TECHNICAL SERVICE

Technical advice on the suitability of *Adi-Con CW Plus* 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

The integral waterproofing admixture for concrete (or mortar) will be *Adi-Con CW Plus* 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 must be used according to the latest manufacturers specifications and application instructions.