



Adi-Con™ CW Plus Waterproofing Admixture for Concrete

FEATURES

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

PRODUCT DESCRIPTION

Basic Use

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

Composition 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 to its use. The required dosage will depend upon the application. It is the responsibility of the user to check with Technical Services as to 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 prolonged contact with skin. Wear protective equipment during handling. Harmful if ingested. 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 lb.) paper bags or 27.3 kg (60 lb.) pails. It is also supplied in 10 kg (22 lb.) re-pulpable paper bags for adding directly into concrete mixing trucks.

Dosage

Adi-Con CW Plus is used in quantities varying from 0.8 to 1% by the weight of cementitious material in the mix. Contact Technical Services for additional information regarding dosage for specific applications.

Storage and Transportation

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

TECHNICAL DATA

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| Chemical nature | Blend of organic and inorganic chemicals |
| Physical form | Free flowing, grey powder |
| Bulk Density (g/cm ³) | Approx. 1.4g/cm ³ |
| Water pressure resistance | 40-140 m (131-460 ft.) depending on dosage and concrete mix design |
| Compressive strength increase to control | 10-14% depending on mix design and dosage |
| Effect on setting time | No effect |

Note: for independent laboratory testing information, please contact Gemite Products Inc. Technical Service.

INSTALLATION

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

See over ...

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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 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.

MAINTENANCE

None required

WARRANTY

A limited twelve (12) month Material Replacement Warranty is available. For details contact Technical Service.

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 Technical Services at 1-800-563-3618.

Short Specification

The integral waterproofing admixture for concrete (or mortar) will be **Adi-Con CW Plus** as manufactured by Gemite® Products Inc., (905-672-2020). It must be used according to the latest manufacturer's specifications and application instructions.

MANUFACTURER

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