



ACC Microsilica

Water Soluble Paper Bag Package



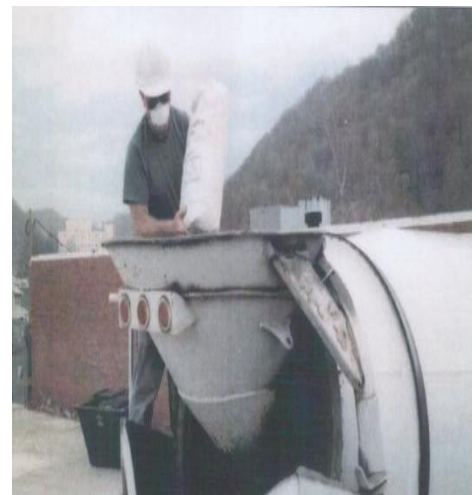
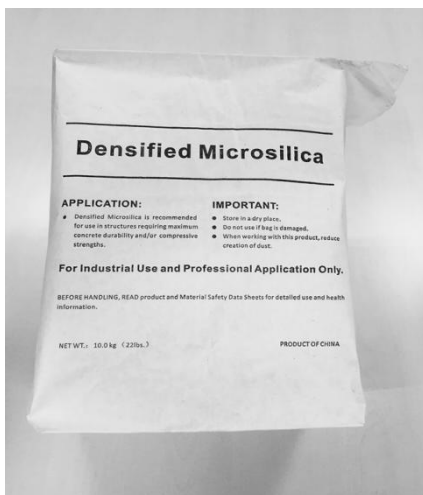
New Package • New Supply Mode

Environment-friendly

Healthy

Economical

Convenient



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Brief Introduction:

ACC water-soluble paper bag is made by degradable or easily-degradable paper. Microsilica packed in this water-soluble paper bags can be added directly to a central or truck mixer without opening. The bags are designed to disintegrate through a combination of wetting and grinding the paper during concrete mixing, which can be swelled, gelatinized and easily dispersed.

Features:

1. Bag size can be ranging from 10-20kg based on clients' technique requests;
2. Based on the usage amount requests, clients can adjust the quantity of bags to be thrown into the concrete mixer;
3. Paper bag can be directly swelled, gelatinized and degraded, no need to do debagging or recycle treatment of the bags.

Advantages:

✧ **ENVIRONMENT-FRIENDLY:**

- 1) ACC water soluble paper bag can be thrown into the concrete mixer directly for end use, without debagging which avoids dust in the using process;
- 2) Paper bag can be 100% degraded, no need to be disposed, which can effectively reduce the environmental pollution and fulfill our social responsibility.

✧ **HEALTHY:**

By using water-soluble paper bag, it can effectively avoid dusts during every stage such as transportation, using process.etc, which can prevent all kinds of physical diseases caused by inhalation of dust, and protect the workers' health.

✧ **ECONOMICAL:**

- 1) **Compared with jumbo bag:** It can be directly distributed and used in the project site, which avoids transit shipment and subpackage, which can greatly save the costs on transportation and debagging facilities & labor costs.
- 2) **Compared with normal small bag:** No need to do debagging and can be used directly, which can greatly reduce the working process and save operation time & labor costs.

✧ **CONVENIENT:**

ACC water-soluble paper bag size can be customized according to the clients' technique requests, and accurately used based on the usage amount, which is easily-operated and can effectively avoid inaccuracy of measurement or waste.





USER TIPS

■ How To Use?

1. Limit the load size of central mixer. We recommend that loads be restricted to the rated mixing capacity of the trucks, which is defined by ASTM C 94 as 63% of the drum volume, or other loading quantity upon actual situation.
2. Select the appropriate number of bags for the volume of concrete being produced.
3. Add unopened bags to central mixer with other mix ingredients.
4. Thoroughly mix concrete in truck, at least 100 revolutions at mixing speed.

■ Precautions For Use:

1. Do not overload trucks. This is important even for central mix plants because it may be necessary to perform additional mixing of the silica-fume concrete once it is in the truck.
2. When adding unopened bags of silica fume directly to concrete, thorough mixing is extremely critical to disperse the silica fume and to destroy the bags.
3. If bags failed to be degraded, most of the cases it is caused by inadequate wetting and grinding of the paper during concrete mixing.

■ Transportation & Storage Requirements:

Products need to be well protected during transportation process, to avoid any physical damages.

Store this material as any other cementitious material in bags. This means keep the material dry and protected from physical damage to the bags.



Production & Supply

Structure & Materials for Water Soluble Paper Bag :

- ❖ Double layers, square-shaped, with outside valve bag mouth;
- ❖ Inside core paper is flexible with natural color from USA Dragon brand;
- ❖ Outside white paper is water-soluble material made from Canada Polar Bear paper;
- ❖ Its weight & size can be customized based on clients' demand requests. (ACC recommends with 10kg size)



ACC Subpackage Bases



Subpackage by Machine

- Microsilica being transported to ACC subpackage bases, then being packed into different sizes of paper bag by machine according to clients' requests.
- ACC now owns 2 sets of subpackage machines, with daily subpackage quantity at 30-50 tons, and monthly supply capacity reaches 1000-1500tons.

Transportation Modes ---Containerized Shipment:

- ❖ 10 kg with pallets:
10 kg per bag; 840kg/pallet;
with cardboard covering up and down; 16.8mt in a 20' container.
- ❖ 10 kg without pallets:
10 kg per bag; covered by protective net; 18 ± 10% in a 20' container.



NOTES:

1. Water-soluble paper bag is special customized package, which needs advanced plan for better arrangement of production schedule;
2. Finished products cover a large area when in stock, the best shipping quantity in one batch is within 300tons.