ARIT奥莱特

PRODUCT DATA SHEET

ART-JS2

Standard Type High Range Water Reducing Admixture

Description

ART-JS2 is a standard high-efficiency polycarboxylate superplasticizer independently developed by ARIT. It is characterized by a high water reduction rate, low slump loss, and excellent workability of concrete.

Main benefits/Characteristics

- **Good Workability:** Improves the workability of concrete, with no significant segregation or bleeding. The homogeneity of the concrete is excellent, and there is no significant color difference in appearance.
- **Low Air Content:** The air content in concrete is less than 2%, which enhances density and durability.
- **Excellent adaptability:** Compatible with most cements, mineral admixtures, and various aggregate types available on the market.
- **Environmental Friendliness:** Non-corrosive to steel, non-toxic, non-flammable, non-explosive, and pollution-free.

Applications

- Ordinary Ready Mixed Concrete
- Pumped Concrete
- Precast Concrete

Physical and chemical indicators

Items	Performance
Appearance	Brown or burgundy liquid
Solid Content /%	Adjusted for on-site materials
pH	6.0±1
Alkali content (as Na_2O)	⩽10%
Density/g/cm^3	1.04 ± 0.02
Chloride content	⩽0.1%

Application Case

- Ordinary Ready Mixed Concrete

A large commercial concrete mixing station group, with a daily average output of 30,000 cubic meters, uses ARIT's standard high-efficiency polycarboxylate superplasticizer in spring and autumn. This meets the construction requirements for concrete grades ranging from C15 to C40.

Usage Instructions

- The recommended effective solids content is 1.00 % – 3.00 % of the total cementitious materials; the exact dosage must be predetermined through trial tests according to the raw materials, job-site conditions, construction codes, and technical requirements.
- Any change in materials or environmental conditions may also cause the dosage to vary within a certain range, so new tests are required to re-establish the optimum dosage.

Complies with the Following Standards

GB/T 8076-2008

ASTM C494 TYPE A

EN 934-2

Packaging

IBC Tank or Flexitank for customer demand

Storage

- It should be stored in a cool and dry place, avoiding direct sunlight, and kept in a

dedicated warehouse or a fixed location.

- The effective storage period is 1year. It can still be used after being tested and verified to be qualified if it exceeds the time limit.

Precautions

- When changing the type of cement or using newly delivered cement, a compatibility test should be conducted.
- Do not use in combination with naphthalene-based admixtures. When using in combination with other admixtures, compatibility tests should be performed.
- Strictly follow the construction specifications during application.
- The product information is only used to describe the product's characteristics and functions, and it is not a guarantee. Users are also required to carefully test the product's functions and its suitability. The functions and suitability of the product must be verified through testing conducted by qualified professionals.

Legal Notes

- Retaining or disclosing product samples without the company's explicit permission is strictly prohibited.
- In addition to the product quality itself, the actual performance also depends on other uncontrollable factors. If there are uncontrollable factors, company cannot guarantee the performance of the product.
- Users are requested to strictly follow the technical guidance and product instructions for use. The company shall not be liable for any consequences resulting from unauthorized changes to the product usage method without the company's authorization.