

PRODUCT DATA SHEET

ART-AE

Air Entraining Agent

Description

ART-AE is a nonionic liquid air-entraining agent independently developed by ARIT, with proprietary intellectual property rights. It is used in the compounding of concrete admixtures. It has a slight water-reducing effect, while significantly increasing the air content of the concrete mixture with minimal air loss, enhancing the fluidity of the concrete mixture, and has no adverse effects on the later strength of the concrete mixture.

Main benefits/Characteristics

- The air bubbles introduced into the concrete are small, and the loss of air content is minimal.
- Can increase the air content of freshly mixed concrete, with no adverse effects on the later strength of the concrete.
- Has functions such as water retention, mud resistance, and lubrication.
- Has very good compatibility with polycarboxylate superplasticizers, retarders, and other admixtures.

Applications

Ready-mixed commercial concrete

Ultra-long pumping concrete

Low-temperature construction concrete

Precast component concrete

Physical and chemical indicators

Items	Performance
Appearance	transparent viscous liquid
pH	8±0.5
density/g/cm ³	1.02±0.02
Chloride content	None
Viscosity (20°C), mPa.s	380±50

Recommended Dosage

0.05% to 0.5% weight of binder

According to the state and air content of the concrete, the ART-AE dosage can be appropriately increased or decreased.

Packaging

Ibc Tank/Liquid bag/Tank container

Storage

Store in undamaged, original sealed packaging in dry conditions.

Protect product from direct sunlight

A minimum shelf life of 12 months under normal storage conditions. Shelf life may be greater than stated depends on storage conditions.

LEGAL NOTES

It is prohibited to retain or disclose samples of the product without the company's permission.

In addition to the product quality itself, the actual performance also depends on other factors.

If there are factors beyond our control, we cannot guarantee the performance of the product.

Users are requested to strictly follow the technical guidelines and product instructions for use. The company shall not be held liable for any consequences resulting from unauthorized changes to the product's usage without the company's authorization.