

PRODUCT DATA SHEET

ART-S33

Water-retaining agent

Description

ART-S33 is a water retention agent for mortar or concrete independently developed by Jiangsu ARIT with independent intellectual property rights, which can significantly improve the segregation and water secretion state of mortar or concrete when mixed into mortar or concrete, and has an obvious gain effect on the maintenance of the fluidity (expansion) of mortar or concrete.

Main benefits/Characteristics

ART-S33 introduces a large number of hydrophilic groups and sustained-release groups into the molecular structure design, and is prepared by a special synthesis process. This product can be used directly alone, or it can be used in combination with admixtures to effectively improve the comprehensive performance of hardened mortar or concrete.

- Suitable for ordinary Portland cement and calcium sulfoaluminate cement systems.
- Increases the cohesion and water retention of mortar and concrete mixtures.
- Improves the late-stage fluidity (spread) of mortar and concrete mixtures.
- Reduces the brittleness of mortar and concrete, enhancing its flexibility.
- Increases the flexural and bending strength of mortar and concrete.
- Enhances the impermeability of mortar and concrete.

Applications

- Suitable for ready-mixed concrete that experiences segregation and bleeding in the fresh state.
- Self-leveling mortar.
- Commercial concrete, pumped concrete.
- Concrete for bridges, highways, and railways.

Physical and chemical indicators

Items	Performance
Appearance	Colorless transparent liquid
Solid Content /%	10±0.5
pH	7.0±1
Alkali content (as Na ₂ O)	None
Chloride content	None

Recommended Dosage

0.5% to 5% weight of binder

Pre-testing must be performed to determine the exact dosage rate

Packaging

Drums or flowbins for customer demand

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.