

PRODUCT DATA SHEET

ART- VM

Viscosity Modifier

Description

ART-VM is a water-based polymer material that enhances the yield stress of concrete, thereby improving workability and stability of concrete. When added to concrete, this product can effectively regulate the plastic viscosity and yield stress through solution viscosity and adsorption entanglement effects, effectively solving problems related to concrete segregation and bleeding. Used in combination with water reducers, it significantly enhances the pumpability of concrete and improves the paste's encapsulation of aggregates. It is widely applicable in commercial concrete and various engineering fields.

Main benefits/Characteristics

- Enhances the workability and stability of concrete.
- Solves issues related to concrete segregation and bleeding.
- Significantly improves the pumpability of concrete and enhances the paste's encapsulation of aggregates.
- Widely applicable in commercial concrete and various engineering fields.

Applications

- Subway shield tunnel segments
- Precast piles
- Modular construction
- Pumped concrete
- Precast concrete components
- Commercial concrete
- Engineering concrete

Physical and chemical indicators

Items	Performance
Appearance	Colorless transparent liquid
Solid Content /%	10±0.5
pH	6.0±1
Alkali content (as Na ₂ O)	None
Chloride content	None

Recommended Dosage

0.01% to 0.08% weight of binder

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

Packaging

IBC tank/liquid bag/tank truck

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.