

## PRODUCT DATA SHEET

# ART-M171

## Water Reducing Admixture

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### Description

ART-M171 is a HPEG based water-reducing admixture, which promotes the workability of concrete with good dispersion, anti-mud and anti-stone powder effects, ultra-high water reduction, self-leveling and high durability.

### Main benefits/characteristics

- Excellent dispersion and water reduction capability; with water reduction rates can reach more than 50%
- Good dispersion ability for materials with high mud content and high powder content.
- Significant workability; no obvious segregation and bleeding; uniform color of concrete appearance
- viscosity reduction effect; significantly reduce the yield stress and plastic viscosity of high-strength concrete
- High durability, extremely low alkali content, free of chloride ions, significantly enhance freezing resistance and carbonation resistance which is increased by 2.0 to 2.5 times compared to ordinary concrete

## Applications

Pumped commercial concrete

high-strength and high-performance engineering concrete

manufactured sand concrete

long-distance transportation concrete

## Physical and chemical indicators

Items	Performance
Appearance	Yellow or dark brown liquid
Solid content/%	50±1
pH	6±1
Density/g/cm <sup>3</sup>	1.05±0.02
Alkali content (as Na <sub>2</sub> O)	≤1.0%
Chloride content	None

## Recommended Dosage

0.15~0.30% 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.