

## PRODUCT DATA SHEET

# ART-M611

## Water Reducing Admixture

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### Description

ART-M611 is a newly developed EPEG based water-reducing admixture, which promotes the workability of concrete with low dosage, high water reduction rate and low slump loss. This product is non-toxic, non-corrosive, non-flammable, non-explosive and harmless to human health.

### Main benefits/Characteristics

- High water reduction rate with low dosage; water reduction rate reaches up to 45%-50% with 0.12%-0.2% dosage; contribute to high-strength and high-performance concrete
- Small slump loss; beneficial for long-distance transportation and pumping construction
- Good workability; no obvious segregation and bleeding; uniform color of concrete appearance
- Low air entraining performance; air content of concrete is less than 3%, which improves compactness and corrosion resistance of concrete
- Compatible with most of other admixtures; compatible with different types of cement and cementitious materials
- Higher long-term strength; improve shrinkage performance and reduce carbonation rate of concrete. The compressive strength ratio at different ages (3days/7days/28days) can reach up to 155% -170%
- Good stability and no precipitation at low temperatures

## Applications

Cement-based construction material, especially in Bridge Engineering

Ordinary commercial concrete

Pumped concrete

Self-compacting concrete

Large volume concrete

## Physical and chemical indicators

Items	Performance
Appearance	Colorless transparent liquid
Solid content/%	40±1
pH	6±1
density/g/cm <sup>3</sup>	1.08±0.02
Alkali content (as Na <sub>2</sub> O)	≤1.0%
Chloride content	≤0.01%

## Recommended Dosage

0.12% to 0.2% 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.