

PRODUCT DATA SHEET

ART-P182

Powdered polycarboxylate superplasticizer

Description

ART-P182 is slump-retaining powdered polycarboxylate superplasticizer independently developed by ARIT with own intellectual property rights. ART-P182 has excellent slump-retaining ability, a gentle release process and good paste cohesion. During the polymerization process, a controlled-release group is directly modified on the structure, which endows ART-P182 with effective slump-retaining capabilities. ART-P182 is suitable for cement-based mortar and concrete systems with high slump-retaining requirements and can significantly improve the efficiency of long-distance concrete transportation.

Main benefits/Characteristics

- Maintain no loss for 2 hours in cement-based materials, and the retention time can be adjusted according to the actual needs when used.
- Compatible with other dispersants, retarders, air entrainers, early strength agents, and other additives to achieve different effects
- Suitable for gel systems such as Portland cement and sulfoaluminate cement
- Long slump retention time
- Gentle release process
- Low sensitivity to the material
- Good plasticization and workability
- Effective bubble control and good anti-shrinking effect
- High efficiency in long-distance transportation

- Good long-term storage stability.
- Fully soluble

Applications

- Grout, grouting agent
- Wet Mix Mortar
- Dry Mix Mortar
- Other Cementitious Mortar and Concrete Systems

Physical and chemical indicators

Items	Performance
Appearance	White or light yellow
Solid Content /%	≥99.5
pH	6.5±0.1
Bulk Density (kg/m ³)	300-600
Chloride Content	None

Recommended Dosage

0.1% to 2.0% weight of binder

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

Packaging

In Bags

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.