

FULUORUI[®] F-1900

Mid-Range Water-Reducing and Retarding Admixture

Product Description

FULUORUI F-1900 is a liquid, ready-to-use, mid range water-reducing admixture that maintains workability performance in high temperature environments. It can be widely used in pumped concrete, superfluid self-compacting concrete, high-strength concrete and commercial concrete, especially in concrete requiring extended setting time and workability. F-1900 admixture meets ASTM C 494/C 494M requirements for Type B, retarding and Type D, water-reducing and retarding, admixtures.

Applications

Recommended for use in:

- Concrete requiring extended setting time and workability.
- Concrete requiring a medium range slump of 15 to 20 cms (6 to 8 inches).
- Concrete mixes with a wide variety of aggregates or Portland type cements.
- Architectonic concrete

Performance Characteristics

- 12 to 20% water reduction and excellent in a high range of slumps, particularly 10 to 20 cm (4 to 8 inches).
- Setting characteristics slightly retarded within recommended dosages.
- Reduces segregation in high to medium slump concrete.
- Improved workability characteristics, pumping and finishing of concrete mixes with low amounts of cements.
- Better performance with a large variety of cement types, fly ash, granulated slag and aggregates, including crushed coarse sand and aggregates.
- Increased freeze-thaw resistance.

Benefits

Providing economic benefits to the entire construction team through higher productivity and reduced variable cost.

Product specification

Items	Standard
Appearance	brown liquid
Assay	≥43%
Density 25°C	1.16±0.02
pH	5-7

Rate of Hardening: FULUORUI F-1900 admixture is formulated to produce setting characteristics throughout its recommended dosage range. Setting time of concrete is influenced by the chemical and physical composition of the basic ingredients of the concrete, temperature of the concrete and ambient conditions. Trial mixtures should be made with actual job materials to determine the dosage required for a specified setting time and a given strength requirement.

Guidelines for Use

Dosage: The common dosage is 0.45%-0.95% (based on the total amount of cementitious materials). The best dosage shall be determined by test according to the engineering materials and characteristics.

Mixing: FULUORUI F-1900 admixture can be added to the mixing water during use, or added to the concrete mixer at the same time as the mixing water. It is recommended to add it to concrete and other materials after compounding. Before use, users determine the use method and conditions of the product through their own test and compounding technology.

Product Notes

Compatibility: FULUORUI F-1900 admixture is compatible with most admixtures used in the production of quality concrete, including high-range water-reducing admixtures, air-entrainers, accelerators, retarders, extended set control admixtures, corrosion inhibitors, and shrinkage reducers.

Corrosivity–Non-Chloride,Non-Corrosive:

FULUORUI F-1900 admixture will neither initiate nor promote corrosion of reinforcing steel in concrete. This admixture does not contain intentionally-added calcium chloride or other chloride-based ingredients.

For directions on the proper evaluation of FULUORUI F-1900 admixture in specific applications, contact us.

Storage and Handling

Storage Temperature: FULUORUI F-1900 admixture should be stored in 0°C-40°C temperature environment, without direct sunshine, without getting wet in the rain and leaking water, without mixing impurities, without evaporation of water. If FULUORUI F-1900 admixture freezes, thaw at 3°C or above and completely reconstitute by mild mechanical agitation. Do not use pressurized air for agitation.

Shelf Life: FULUORUI F-1900 admixture has a

minimum shelf life of 18 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact us regarding suitability for use and dosage recommendations if the shelf life has been exceeded.

Packaging

FULUORUI F-1900 admixture is liquid and is packed in 1100kg IBC tank or 220Kg plastic drum.

Related Documents

Safety Data Sheets: Retarder FULUORUI F-1900 admixture.

Additional Information

For additional information on FULUORUI F-1900 admixture or its use in developing concrete mixes with special performance characteristics, contact us. Henan Fuluorui New Materials Co.,Ltd is one of the few technology-based companies working on chemical adjuvant materials for concrete, It has strong R&D capabilities, excellent professionalism, fully automated production lines, rich application experience, and excellent reputation for the R&D, production and application of concrete admixtures and raw materials. There are nearly 500 concrete admixture manufacturers in China that have technical cooperation with our company. Fuluorui has successfully provided ODM and OEM services for customers in North America, Europe, the Middle East, Asia and other markets.

Limited Warranty Notice

FULUORUI warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control.

The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.

Henan Fuluorui New Materials Co., Ltd.

<https://floreychemical.en.alibaba.com>

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