



Henan Fuluorui New Materials Co., Ltd.

FULUORUI[®] F-1902

Surface retarder for concrete

Product Description

FULUORUI F-1902 is a concrete surface retarder (also called component surface slow drying agent) is a kind of admixture that delays the initial and final setting time of concrete without affecting the strength of concrete in the later stage. Mainly used for surface need wool surface, such as bridge butt, housing prefabricated components butt, can increase the contact strength. This product can completely replace artificial chisel wool, save time and effort. F-1902 is a liquid product made of high polymer as the main raw material, with water retention, retarding, film forming, rust resistance and other components refined.

Applications

It is mainly used for special decoration of concrete (mortar) surface, surface treatment of construction cold joint and interface treatment of concrete decoration. It can be used for exposed pebbles as exterior wall decoration.

Performance Characteristics

- Liquid form, easy to use and economical.
- The combination of the retarding component with the surface cement can delay the hydration of cement for 1-2 days.
- The retarding effect is weakened when the cement content is high and the temperature is high.
- This product only delays the final setting time of cement, does not destroy the setting of cement.
- his product does not affect the link between reinforcement and concrete.

Benefits

The surface retarder can completely replace manual chiseling, saving time, labor, convenience and economy..

Product specification

Items	Standard
Appearance	brown liquid
viscosity	200-2000mPa·s
Density 25°C	1.13±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.

Guidelines for Use

Dosage: Each kilogram of surface retarder can be brushed 10-15 square meters. The best dosage shall be determined by test according to the engineering materials and characteristics.

Usage: FULUORUI F-1902 admixture can be used directly without diluting. Be careful to prevent strong direct sunlight. Please mix before use. The surface retarder is suitable for any kind of clean formwork. A thick layer can be coated with a brush or roller and allowed to dry (generally 2-4 hours). The formwork shall not be painted with any film oil. Protect against strong sunlight. Before use, users determine the use method and conditions of the product through their own test and compounding technology.

Exposed aggregate treatment: remove the formwork as soon as possible after concrete construction. Generally, it shall be no later than one day when the weather is warm and no later than two days when the weather is cold. If the formwork needs to be kept for a long time, 2-3 layers of road surface retarder can be brushed to ensure its penetration depth.

Remove the non-setting cement slurry: after the formwork is removed, there is non-setting cement slurry on the formwork. The unset cement slurry on the formwork or concrete surface can be gently brushed off with a wire brush or washed off with high-pressure water. The unset cement slurry shall be removed immediately after the formwork is removed. The concrete shall be cured by conventional methods. When using new wooden formwork or porous formwork, it is recommended to apply at least two layers of surface retarder to fully soak and evenly expose the aggregate. For the reused formwork, after the concrete slag is scraped off, re-brush the road surface retarder as soon as necessary.

The retarding depth varies with the concrete mix ratio, but can generally reach a depth of 4-6mm. The spraying equipment should be cleaned with hot water after use, and the container should be

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sealed when not in use. Store away from children. Do not transfer to any unmarked container.

Product Notes

Corrosivity-Non-Chloride,Non-Corrosive:

FULUORUI F-1902 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-1902 admixture in specific applications, contact us.

Storage and Handling

Storage Temperature: FULUORUI F-1900 admixture should be stored in 5°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-1902 admixture freezes, thaw at 5°C or above and completely reconstitute by mild mechanical agitation. Do not use pressurized air for agitation.

Shelf Life: FULUORUI F-1902 admixture has a minimum shelf life of 12 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-1902 admixture is liquid and is packed in 20kg or 200Kg plastic drum.

Related Documents

Safety Data Sheets: Retarder FULUORUI F-1902 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.

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