

FULUORUI[®] Reductant RA- II



Reducing agent/Reducer/ 6C reducing agent

Product Description

This product is in the form of a white particle or crystalline powder, easily soluble in water, relatively stable at room temperature, and easily decomposes when exposed to acids, alkalis, and high temperatures. As a highly active reducing agent, it is particularly suitable for the synthesis of EPEG polycarboxylate water reducing agents, and can also be used for the synthesis of HPEG and TPEG polycarboxylate water reducing agents

Applications

- This product has reducibility and is suitable for use as a reducing agent in free radical polymerization reactions
- In concrete industry, it can be used as reducing agent in the synthesis of polycarboxylic superplasticizer, especially for EPEG water reducing agents.

Features

- This product can undergo oxidation-reduction reactions with oxidizing substances, producing primary free radicals and initiating polymerization reactions and it is suitable for use as a reducing agent in free radical polymerization reactions.
- RA- II is used as a reducing agent for the synthesis of polycarboxylic acid water reducing agents, and has the characteristics of high efficiency and stability.
- It can replace traditional reducing agents such as vitamin C, sodium sulfite, and sodium formaldehyde sulfoxylate.
- Compared with conventional reducing agents, this product is more suitable for the synthesis reaction of six carbon ambient temperature mother liquor. The prepared mother liquor has a higher water reduction rate, better slump retention effect, and softer concrete.
- This reducing agent can reduce the activation energy of redox reactions over a wider temperature range, enabling polymerization reactions to occur over a wider temperature range..

Product specification

Items	Standard
Appearance	White or yellow crystal powder
Odor	No peculiar smell
Assay	≥95%
Water content	≤5%
Insoluble matter	≤1%

Henan Fuluorui New Materials Co., Ltd.
Luoyang Florey Import and Export Co.,Ltd

<https://floreyconcrete.com>

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Guidelines for Use

Dosage

In concrete industry, RA- II can be used as reducing agent in the synthesis of polycarboxylic superplasticizer. Usually, the amount of RA- II is 0.1%~0.5% of the initiator. The optimum dosage needs to be determined experimentally.

Storage and Handling

Storage Temperature: Products should be stored in 0°C-30°C temperature environment, without direct sunshine, without getting wet in the rain and leaking water, without mixing impurities, without evaporation of water.

Shelf Life: Ascorbic acid 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

This product is 25kg carton.

Related Documents

Material Safety Data Sheets: Reductant RA- II .

Additional Information

For additional information on Ascorbic acid or its use in developing concrete admixture 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.

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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