



KAITSU® G-200 Series

PCE Based Hyper-Plasticizer with long slump retention concrete admixture

Description

KAITSU® G-200 Series represents a new modified generation of polycarboxylate hyper-plasticizer specifically developed to achieve high performance concrete properties with long slump retention. KAITSU® G-200 Series conforms to ASTM C494 Type G, BS EN934 Part 2 and JIS A6204.

Use

KAITSU® G-200 Series can be used in a variety of construction projects, including commercial, industrial, and residential building, bridges, highways, roads and tunnels. KAITSU® G-200 Series also make it an ideal choice for hot weather conditions, where traditional concrete mixtures may set too quickly.

Advantages

KAITSU® G-200 Series can provide the following properties:

- Lower permeability
- Increased early & ultimate strengths
- Increased flexural strengths.
- Better carbonation resistance.
- Reduced shrinkage & creep
- May produce flowing or self-compacting concrete
- High workability with low water content
- Improved surfaces
- Long Retention of concretes workability
- No segregation

Dosage

KAITSU® G-200 Series can vary with type of applications, normally range from 600g to 1500g / 100kg of cementitious material or binder. Accidental overdosing of KAITSU® G-200 Series causes an extension of setting time of concrete. If this happens, consult supplier as soon as possible.

Packaging

200 Kg and 1,000 kg

Shelf life

12 months after production date, kept within the range of 5°C to 40°C.



Application

KAITSU® G-200 Series is suitable for use with all types of Portland cements, OPC, SRC cements and cement replacement materials such as PFA, GGBFS and micro-silica. KAITSU® G-200 Series should not be used in conjunction with any other admixture unless prior approval is obtained from local KAITSU technical support.

Mixing

KAITSU® G-200 Series should be added in the mixing water. In some instances, e.g. addition to ready mix concrete on site, KAITSU® G-200 Series can be added directly in the truck mixer and mixed at maximum speed for an extra 5 to 10 minutes till a proper mixing is achieved. The correct quantity of KAITSU® G-200 Series should be measured by means of a recommended dispenser. The admixture should then be added to the concrete with the mixing water to obtain the best results.

Health and safety

KAITSU® G-200 Series does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - Do not induce vomiting.

**For further information consult the Materials Safety Data Sheet available for this product.*

Cleaning and disposal

Spillages of KAITSU® G-200 Series should be absorbed onto sand or earth and transferred to suitable containers. Remnants should be hosed down with large quantities of water. The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

Contact

KAITSU CHEMICAL CO.LTD.

Add : #696, Street 1970, Sangkat Phnom Penh Thmei, Khan Sensok, Phnom Penh, Cambodia.
Tel : +855 87 82 48 38
Mail : info@kaitsuchemical.com
Web : www.kaitsuchemical.com

The information, and, in particular, the recommendations relating to the application and end-use of KAITSU Chemical products, are given in good faith based on KAITSU Chemical current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with KAITSU Chemical recommendations. In practice, the differences in materials composition, cements and other parameters are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the products suitability for the intended application and purpose. KAITSU Chemical reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. Users must always refer to the most recent issue of the local Product Specification for the product concerned, copies of which will be supplied on request.