



# KAITSU<sup>®</sup> G-218

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## PCE Based Hyperplasticiser with long slump retention concrete admixture

### Description

KAITSU<sup>®</sup> G-218 represents a new modified generation of polycarboxylated hyperplasticisers specifically developed to achieve high performance concrete properties with long slump retention. KAITSU<sup>®</sup> G-218 conforms to ASTM C494 Type G.

One liter weigh approximately 1.045 kg  $\pm$  0.02kg.

### Use

KAITSU<sup>®</sup> G-218 can be used in a variety of construction projects, including commercial, industrial, and residential building, bridges, highways, roads and tunnels. KAITSU<sup>®</sup> G-218 also make it an ideal choice for hot weather conditions, where traditional concrete mixtures may set too quickly.

### Advantages

KAITSU<sup>®</sup> G-218 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<sup>®</sup> G-218 can vary with type of applications, normally range from 400 g to 1500 g / 100 kg of cementitious material or binder. Accidental overdosing of KAITSU<sup>®</sup> G-218 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-218 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-218 should not be used in conjunction with any other admixture unless prior approval is obtained from local KAITSU technical support.

## Mixing

KAITSU® G-218 should be added in the mixing water. In some instances, e.g. addition to ready mix concrete on site, KAITSU® G-218 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-218 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-218 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.*

KAITSU® G-218 is Non-flammable.

## Cleaning and disposal

Spillages of KAITSU® G-218 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

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