



# KAITSU<sup>®</sup> D-128

---

## PCE Based Water-Reducing and Set retarding concrete admixture

### Description

KAITSU<sup>®</sup> D-128 represents a new modified generation of polycarboxylate hyperplasticisers specifically developed to achieve high performance concrete properties with long slump retention. KAITSU<sup>®</sup> D-128 conforms to ASTM C494 Type D & G.

One liter weigh approximately 1.047 kg  $\pm$  0.02kg.

### Use

KAITSU<sup>®</sup> D-128 can be used in a variety of construction projects, including commercial, industrial, and residential building, bridges, highways, roads and tunnels. KAITSU<sup>®</sup> D-128 also make it an ideal choice for hot weather conditions, where traditional concrete mixtures may set too quickly.

### Advantages

KAITSU<sup>®</sup> D-128 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> D-128 can vary with type of applications, normally range from 400 g to 1200 g / 100 kg of cementitious material or binder. Accidental overdosing of KAITSU<sup>®</sup> D-128 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® D-128 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® D-128 should not be used in conjunction with any other admixture unless prior approval is obtained from local KAITSU technical support.

## Mixing

KAITSU® D-128 should be added in the mixing water. In some instances, e.g. addition to ready mix concrete on site, KAITSU® D-128 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® D-128 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® D-128 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® D-128 is Non-flammable.

## Cleaning and disposal

Spillages of KAITSU® D-128 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](mailto:info@kaitsuchemical.com)

Web : [www.kaitsuchemical.com](http://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.