



KAITSU[®] F-318

PCE Based Hyperplasticiser concrete admixture

Description

KAITSU[®] F-318 represents a new modified generation of polycarboxylated hyperplasticisers specifically developed to achieve high performance concrete properties. KAITSU[®] F-318 conforms to ASTM C494 Type F.

One liter weigh approximately 1.02 kg \pm 0.02kg.

Use

KAITSU[®] F-318 uses include to produce flowing concrete for large pours and precast elements. KAITSU[®] F-318 may also be used where substantial water reductions are required to provide high early and ultimate strengths e.g. in precast factories.

Advantages

KAITSU[®] F-318 can provide the following properties:

- Very good early strengths
- Significant strength increases
- Increased production in precast yards
- Better surface finish
- Waterproof concrete may be achieved
- Better resistance to wear & abrasion
- Chloride free
- Reduced shrinkage & creep
- Improved water borne salt resistance.
- No segregation
- Less vibration
- Better carbonation resistance.

Dosage

KAITSU[®] F-318 can vary with type of applications, normally range from 500 g to 1500 g / 100 kg of cementitious material or binder. Accidental overdosing of KAITSU[®] F-318 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® F-318 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® F-318 should not be used in conjunction with any other admixture unless prior approval is obtained from local KAITSU technical support.

Mixing

KAITSU® F-318 should be added in the mixing water. In some instances, e.g. addition to ready mix concrete on site, KAITSU® F-318 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® F-318 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® F-318 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® F-318 is Non-flammable.

Cleaning and disposal

Spillages of KAITSU® F-318 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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