



KAITSU[®] F-300 Series

PCE Based Hyper-Plasticizer concrete admixture

Description

KAITSU[®] F-300 Series represents a new modified generation of polycarboxylate hyper-plasticizer specifically developed to achieve high performance concrete properties. KAITSU[®] F-300 Series conforms to ASTM C494 Type F, BS EN934 Part 2 and JIS A6204.

Use

KAITSU[®] F-300 Series uses include to produce flowing concrete for large pours and precast elements. KAITSU[®] F-300 Series 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-300 Series 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-300 Series can vary with type of applications, normally range from 600g to 1500g / 100kg of cementitious material or binder. Accidental overdosing of KAITSU[®] F-300 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® F-300 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® F-300 Series should not be used in conjunction with any other admixture unless prior approval is obtained from local KAITSU technical support.

Mixing

KAITSU® F-300 Series should be added in the mixing water. In some instances, e.g. addition to ready mix concrete on site, KAITSU® F-300 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® F-300 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® F-300 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® F-300 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

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