



KAITSU[®] W-400 Series

Waterproof Concrete and Mortar Admixture

Description

KAITSU[®] W-400 Series represents a new modified generation of polycarboxylate hyper-plasticizer and waterproof action specifically developed to achieve high performance waterproof concrete properties. KAITSU[®] W-400 Series conforms to ASTM C494 type A, BS 1881: Part 5 1970 and BS 5075 Part 1.

Use

KAITSU[®] W-400 Series may be used to waterproof concrete structure such as reservoirs, tunnels, culverts, water tanks, swimming pools and other areas where waterproof concrete or mortar requirement

Advantages

KAITSU[®] W-400 Series can provide the following properties:

- Improves workability and cohesion
- Reduce permeability
- Improves strength and durability
- Reduce shrinkage
- Chloride free
- Allow better compaction
- No effect on drinking water in concrete tanks

Dosage

KAITSU[®] W-400 Series can vary with type of applications, normally range from 300g to 1500g / 100kg of cementitious material or binder. Accidental overdosing of KAITSU[®] W-400 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® W-400 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® W-400 Series should not be used in conjunction with any other admixture unless prior approval is obtained from local KAITSU technical support.

Mixing

KAITSU® W-400 Series should be added in the mixing water. In some instances, e.g. addition to ready mix concrete on site, KAITSU® W-400 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® W-400 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® W-400 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® W-400 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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