



KAITSU[®] D-100 Series

Water-Reducing and Set retarding concrete admixture

Description

KAITSU[®] D-100 Series is an essential component in ready-mixed concrete, as it can improve the properties of concrete during the mixing and curing stages. KAITSU[®] D-100 Series conforms to ASTM C494 Type D , BS EN934 Part 2 and JIS A6204.

Use

KAITSU[®] D-100 Series can be used in a variety of construction projects, including commercial, industrial, and residential building, bridges, highways, roads and tunnels. KAITSU[®] D-100 Series also make it an ideal choice for hot weather conditions, where traditional concrete mixtures may set too quickly.

Advantages

KAITSU[®] D-100 Series can provide the following properties:

- Increased compressive strength and flexural strength at all ages.
- Increased workability and slump retention ability of fresh concrete.
- Improved adhesion to reinforcing and stressing steel.
- Better resistance to carbonation.
- Lower permeability
- Better resistance to aggressive atmospheric conditions.
- Reduced shrinkage.

Dosage

KAITSU[®] D-100 Series can vary with type of applications, normally range from 200g to 600g / 100 kg of cementitious material or binder. Accidental overdosing of KAITSU[®] D-100 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® D-100 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® D-100 Series should not be used in conjunction with any other admixture unless prior approval is obtained from local KAITSU technical support.

Mixing

KAITSU® D-100 Series should be added in the mixing water. In some instances, e.g. addition to ready mix concrete on site, KAITSU® D-100 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® D-100 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® D-100 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® D-100 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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