

K CRETE SP

Superplasticiser



Description :

K CRETE SP is supplied as brown liquid based on sulphonated Naphthalene for formaldehyde condensates. The powerful dispersing action of superplasticiser can be used in many ways to obtain dense, high strength durable concrete (M350, M400 and M450). The high water reduction upto 30% make K CRETE SP ideal for use in precast concrete where high early strength are of paramount importance. K CRETE SP is chloride free.

INCREASED WORKABILITY: K CRETE SP when incorporated in concrete mixes increases the workability without addition of water; thus leading to easy placement and finishing without the risk of segregation and bleeding.

INCREASED STRENGTH: K CRETE SP can be used to reduce upto 30% water for a given workability leading to increase in early and ultimate strengths. Such high early strengths and early stripping of form work lead to increased productivity on precast concrete and the production of high strength concrete without increasing cement content.

Advantages :

- Use in precast concrete work
- Increased strength 0- high early and ultimate strength, if water reduction is taken advantage of
- Safe in prestressed concrete improves cohesion thus aids pumping of concrete
- Facilitates rapid placing of concrete and with little or no vibration
- Makes the concrete denser, hence durability increased
- High water reductions upto 30%



Purpose :

To produce high strength concrete and flowing concrete without addition of water. Enables high water reduction upto 30% leading to high early and ultimate strength. Ideal in precast concrete works.

Product :

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Dosage & Packing :

- 0.300 6 ltrs/50 kg cement. However, the optimum dosage to be determined by site trials
- 5,50,100,200 litre carbuoys and drums

Typical Properties :

- Physical state: Brown liquid, specific gravity:1.16 at 27 °C, Chloride content: Nil as per IS 456 and BS 5075
- Air entrainment: Less than 1% additional air entrained
- K CRETE SP can be used in mortar grouting of prestressed wires
- The normal dosage is 0.30-0.6 ltrs per 50kg cement. However, higher dosages can be used upto 0.8 litres with suitable changes in the mix especially sand to avoid segregation if no water reduction is made
- Over dosing upto double the normal dosage levels may lead to retardation of settings times and may tend to segregate and produce ultra fluid concrete.

Handling Precautions :

K CRETE SP is non toxic. However, splashed on the skin should be washed well with water and if contact with eye occurs, wash well with water and seek medical advice.



Storage Life :

Minimum one year if stored below 50°C in original sealed containers. If allowed to stand sound for a long time, container should be stirred well before use.

Note :

All information is given in good faith on the results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since we don't have any control on site conditions and its uses.