

brix concrete speed 280

CHLORIDE FREE PLASTICISING AND ACCELERATING COMPOUND

STANDARDS

BS 5493

DESCRIPTION

BRIX CONCRETE SPEED is a silicate based liquid which acts as a plasticising accelerator for cement concrete and mortars. Brix Concrete Speed admixed mortars and concretes set fast giving early & final high strength. It is of special use in shot-creting, guniting and concreting in very low temperatures.

PRIMARY USES

In fast setting concretes and mortars, concreting of pre-cast element, concreting and rendering in very low temperatures and in reducing rebound losses in sprayed mortar.

ADVANTAGES

- Rebound losses in shot-creting and guniting are minimized. Saving on material, labour and machine time.
- Brix concrete speed is liquid in form, hence easy to use.
- The plasticising action of Brix Concrete Speed helps in complete hydration of cement there by achieving superior strength.

TYPICAL APPLICATIONS

- Brix Concrete Speed is of special use in guniting and shot-creting as its accelerated setting times help in quick rebuilding of mortar layers without collapse.
- Rebound losses in shot-creting and guniting are minimized. Early shifting of the pre-cast elements is facilitated.
- In pre-cast hollow / solid blocks, pavers, cement tiles, breaking of the edges while lifting the moulds is minimized.
- Brix concrete speed helps in early setting of mortars and concrete in low temperature climates.

PROPERTIES

- Form : Chloride free liquid
- Specific Gravity : 1.05 +/-0.05
- Air Entrainment : Nil
- Chlorides : Nil
- Sulphides : Nil
- Nitrates : Nil
- Flash Point : None

DIRECTION FOR USE

In case of shot-creting / guniting, Brix concrete speed is mixed in the gauging water in the required proportion before addition to the dry mix. Hence it can be successfully used in both dry and wet shot-creting processes. In concrete and mortars for pre-casting elements. Brix Concrete Speed is dosed through a separate dosing tank fitted above the mixer. It can be dosed manually as well after addition of required water.

DOSAGE

Required dosage of Brix Concrete Speed has to be arrived at site by practical trials. The dosage is dependent on temperature conditions, type of cement, type of acceleration required. We however recommend dosages of 1 to 10 percent by weight of cement. Lower dosages are however used in pre-cast elements and higher dosages are used in shot-creting.

COMPATIBILITY

Brix Concrete Speed can be used with all types of portland cement including Sulphate resisting. It should not be premixed with other admixture. Contact BRIX technical department for any device.

SHELF LIFE

Twelve months if stored in manufacturer's original packing.

PACKING

BRIX Concrete Speed is available in 20 litres & 50 litres packings.

IMPORTANT NOTE

Performance of products depend on strict adherence to BRIXe guidelines. BRIXe will not be responsible for failures due to improper usage / application. The coverage / yield is given for guidance only & actual field trials are recommended to ascertain the exact coverage / yield.