

CONSPEED SPECIAL

Accelerator for Concrete
 (Modified Calcium Chloride Based)

DESCRIPTION

CONSPEED Special is an accelerating water-reducing admixture based on modified calcium chloride, designed to accelerate setting time by increasing the density and aiding the hydration reaction with calcium chloride. It conforms to BS 5075 : Part 1 : 1982 and ASTM C494-80 Type E.

SPECIAL PROPERTIES

- Speeds up the initial setting time, thus, enabling formworks to be removed earlier and re-used.
- Enables the production of workable, high early strength, higher density concrete with reduced tendency to segregate, bleed and creep.
- Aids compaction and the production of clear faced concrete.

TYPICAL APPLICATION

- CONSPEED Special is of particular value to the precast concrete industry where it is necessary for concrete to set more rapidly for greater productivity.
- Standard mix design methods may be used, reducing the cement content by Approximately 10% when compared with plain concrete at equivalent work ability. With harsh aggregates or gap-graded mixes, the cement reduction may be less than 10%; however, a marked improvement in cohesion will be achieved with reduced segregation and bleeding.

SITE WORK

CONSPEED Special should be added to the gauging water at a dose rate of 0.2 - 1.0 litre Per 50 kg cement, depending on the degree of acceleration required. As a guide, the Following table may be used (results at standard lab conditions):

Conspeed Special Dose Rate	Initial Setting Time	Final Setting Time
Control - no addition	2 hours	3 hr. 30 min.
0.25 litre per 50 kg cement	1 hr. 15 min	3 hr. 5min
0.50 litre per 50 kg cement	35 minutes	2 hr. 25 min.
1.0 litre per 50 kg cement	25 minutes	1 hr. 55 min.
2.0 litre per 50 kg cement	15 minutes	35 minutes

Note that the above figures will vary with different cements and conditions prevailing at site; therefore, site trials should be carried out to find the optimum dosage for any particular degree of acceleration required.

Note. : CONSPEED Special must be stirred well before use, especially before decanting from the container.



PRODUCT DATA

Colour	: Clear
Consistency	: Low viscosity liquid
Dosage	: 0.2 - 1.0 litres per 50 kg cement
Flash point	: Non - flammable
Storage	: Protect from extreme temperatures
Shelf life	: 12 Months in sealed container

SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Reseal containers after use.

TECHNICAL INFORMATION & SERVICES

Further information and advice including practical demonstration are freely available from the technical service department of Cemseal Industries Ltd.

NOTE

- Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Cemseal representative.
- Cemseal reserves the right to have the true cause of any difficulty determined by accepted test methods.

Address

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