



SET RAPID

PRODUCT DATA SHEET

CHLORIDE FREE ACCELERATING, WATER REDUCING ADMIXTURE FOR CONCRETE.

DESCRIPTION:

“Set Rapid” is pale brown coloured liquid, totally free from chloride.

USES:

To accelerate the setting time and early strength gain of Portland cement concrete and mortar mixes without introduction of chloride ion (which is harmful for reinforcement causing corrosion/ rusting). Its water reducing character can be gainfully utilized for both early as well as ultimate strength. “Set Rapid” conforms to ASTM C 494, BS 5075 Part I and IS: 9103:1999.

ADVANTAGES:

- Chloride free, safe in prestressed and reinforcing concrete.
- Generates very high early strength in concrete.
- Its plasticizing action increases workability and/ or increased strength.
- Particularly effective in low temperature concreting.

APPLICATION:

The recommended dosage for standard mix concrete is 1 to 2 Liter per 100 kg cement in tropical temperature, higher than 25° C. For low temperature concreting (5°C to 25°C) the dosage level is 2.5 to 3 liter per 100 kg cement. Dispensing to be added direct into the mixer. For very high early strength, steam curing/ increase of dosage is recommended, depending on site requirements.

PROPERTIES:

Specific Gravity	1.26 ± 0.02 at 27°C
pH	8 – 9 (Alkaline)
Chloride Content	Nil to BS: 5075
Compatibility	All types of Portland cements. Not suitable for high Alumina cement (cement fondué)
Long term effect	Accelerated corrosion testing shows that the rebars remain protected even at five times the normal dose level of Set Rapid .

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