



SIDDHI VINAYAK CONSTRUCTION CHEMICAL PVT. LTD.

BOND PLUSTM

CONCRETE ADMIXTURE

सिद्धिविनायक का वादा..
मजबूती सबसे ज्यादा...



About

Bond plus is a ready-to-use, liquid accelerator admixture. It accelerates initial setting time one to three times faster than normal concrete. It improves workability and strength while hastening the hydration of cement. It makes the mix easier to place and speeds work by shortening the initial set and curing time.

Description

As bond plus is majorly used as an accelerator in concrete, it significantly reduces both initial and final setting time of concrete. It is majorly used in the low temperatures as it permits quicker finishing and earlier use of precast concrete products. But the use of this accelerator is not recommended in hot weather as it sets the concrete very rapidly, making it difficult to place and finish the concrete.

Water Cement Ratio

Bond plus is a liquid, reduce the water required to produce a slump and this factor is expected to play any dominant role in the strengthening of concrete. As it is an accelerator, it may tend to induce early stiffening and thus reduce bleeding.

Air Entrainment

Use of bond plus in the concrete reduce cause entrainment of air.

Efflorescence

Due to use of bond plus in concrete, reduce the whitish deposit on concrete surface.

Heat of Hydration

Heat of hydration is at faster rate and the hydration process is more rapid in the presence of bond plus, particularly in the first 10 to 12 hours. its early development may be useful in winter and all-time concreting.

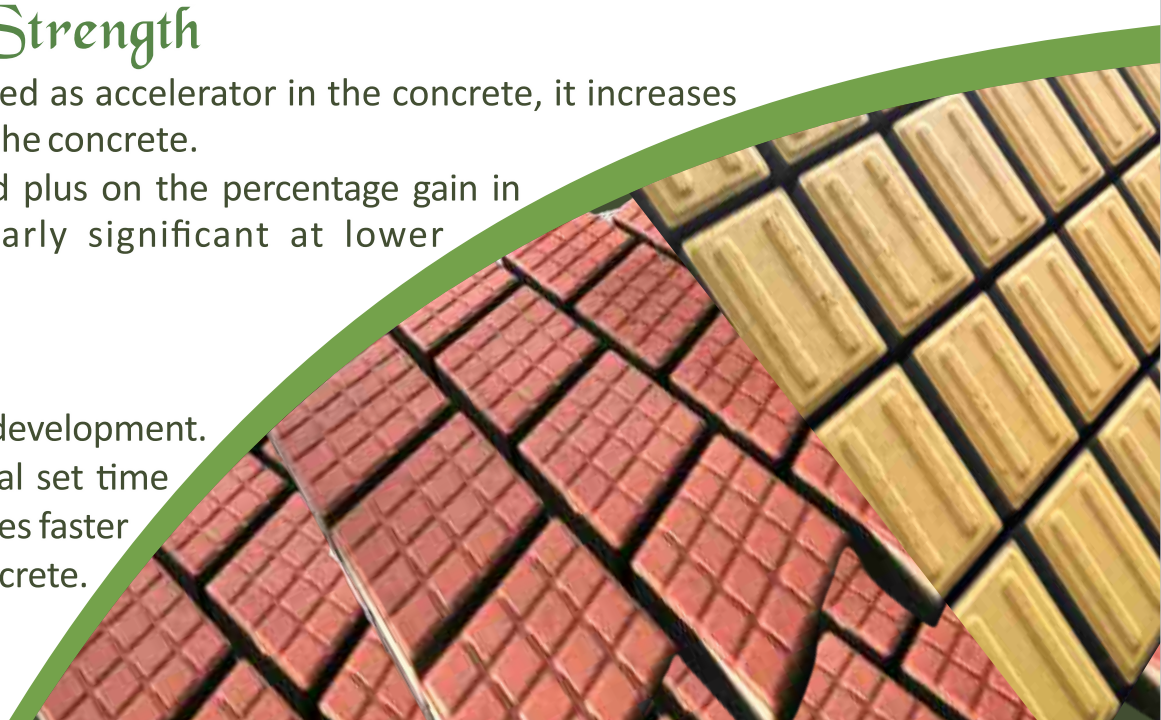
Compression Strength

As bond plus is used as accelerator in the concrete, it increases the hardening rate of the concrete.

The effect of bond plus on the percentage gain in strength is particularly significant at lower temperatures

Advantages

- Aids in strength development.
- Accelerates initial set time one to three times faster than normal concrete.



- Speeds up hydration of cement.
- Increases workability of concrete in colder temperatures.
- Speeds construction due to reduced setting and curing time.
- Reduces bleeding due to the early stiffening produced by acceleration and permits earlier finishing.
- Allows earlier removal of concrete forms or other protection.
- Reduces efflorescence.
- Self-curing resulting in elimination of water curing.

Applications:

- | | | |
|------------------------|------------------------|--------------------|
| ▪ Concrete Pavers | ▪ Masonry Blocks | ▪ Pipes & Manholes |
| ▪ Kerbstones & Edgings | ▪ Landscaping Elements | ▪ Concrete Tiles |
| ▪ Hollow Core Slabs | ▪ Interlocking block | ▪ Concrete block |
| ▪ Precast product | ▪ Door, window frame | ▪ Hume pipes |
| ▪ Compound wall | ▪ Garden chair | ▪ Paver blocks |
| ▪ Chequered tiles | | |

Dosage and Usage:

The normal recommended dosage of bond plus concrete admixture is between 0.6% to 1.2% by weight of cementitious material. The optimum dosage of Bonding to meet specific requirement should always be determined by trials using the materials and conditions that will be experienced in use. Stir well before use.

PACKAGING

Packing Size :-

2.5 Kgs, 70 Kgs, 250 Kgs



Packing Material :-

HDPE Cane, HDPE Jar
HDPE Barrel



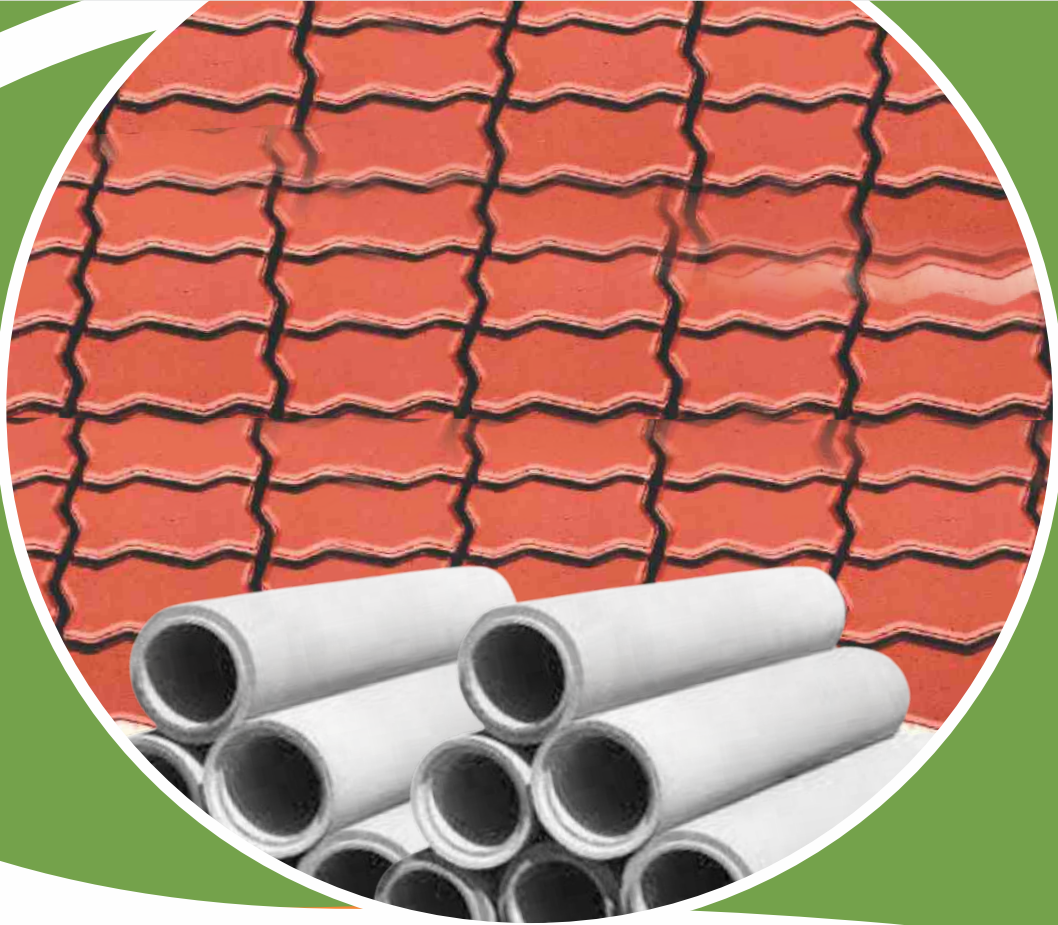
2.5 Kgs



70 Kgs



250 Kgs



Manufactured & Marketed by :

SIDDHI VINAYAK

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