

## Addicrete B2

Accelerator and Plasticiser concrete Admixture.

### Standard Specification:

- Complies with ASTM C 494 - type E, EN 934 - 2 and ES 1899 - 1.

### Description:

- ADDICRETE B2** is a chloride free admixture used with Portland cement concrete and mortar to reduce the setting time, accelerate the rate of strength gain and resist frost attack.

### Fields of Use:

- Factories of prefabricated concrete units and brick factories.

### Advantages:

- Acts as a plasticiser which reduces the water - cement ratio, while maintaining the workability, thus increases both early and ultimate strength.
- May be used with all types of Portland cement and as an alternative to high alumina cements in precast concrete units .
- Is free of all types of chlorides, thus suitable for all reinforced and prestressed concrete elements.

### Technical Data :(at 25°C)

Base	Selective organic polymer
Appearance	Brown liquid
Density	1.18 ± 0.01 kg/l
Chloride content	Nil
Air entrainment	less than 1%
Compatibility with cement	all types of Portland cement

### Directions for Use:

- The measured quantity of **ADDICRETE B2** should be added directly into the mixer.
- Best results are obtained, when added at the same time with mixing water.

### Rate of Use:

- The recommended dosage for standard concrete and mortar mixes is 1 kg / 50kg cement.
- An over dosage will cause a slight increase in the early strength but will not change the ultimate strength.

### Guide Results:

- The following table shows guide results for the strength gain using cement content 300 kg/m<sup>3</sup> concrete mix. It is recommended that site trials with the particular aggregate, cement and climatic conditions to be carried out to determine the final mix proportions. (h= hour, D= day).

Curing temp	Dosage/50 kg cement	W/C	Compressive strength in kg/cm <sup>2</sup> after					
			10h	18h	24h	3D	7D	28D
20°C	0 1kg	0.5	8	45	64	170	290	400
		0.45	34	89	116	260	360	480

### Safety Precautions:

- ADDICRETE B2** is non - flammable and non - toxic.
- Wash any splashes to the eyes immediately with water.
- For accidental release use an absorbent inert material as sand, then collect up and place in suitable container.

### Storage:

- 18 months under suitable storage conditions.

### Packages:

- 5kg, 20 kg and 200 kg.