

## Addicrete BVM

Water Reducing Super Plasticiser.

### Standard Specification:

- **ADDICRETE BVM** is a high range water reducing admixture for concrete and complies with ASTM C 494 Type A and Type G.

### Description:

- **ADDICRETE BVM** is a brown liquid based on high quality organic polymers which is instantly soluble in water.

### Fields of Use:

- To delay and control the setting time of concrete.
- To increase and extend the concrete workability specially at high temperature.
- To minimize segregation, bleeding and to make cohesive concrete which aids pumping.
- To provide higher strength without increase of the cement content or reduction of workability.

### Advantages:

- It is suitable for normal as well as hot climate.
- It decreases the workability loss.
- It increases setting time.
- It improves durability of the concrete due to the reduction in the water/cement ratio.
- It is compatible with the other CMBI admixtures such that they should be added to the same mix separately.

### Technical Data :( at 25°C )

Density	1.12±0.01 kg / l
Chloride content	Nil
Compatibility with cement	All types of cement

### Dosage:

- Actual dosage should be established from trial mixes to suite site conditions.
- The normal dosage range is 0.4 to 1.9 liters/100 kg of cement .
- The above dosage should be decreased when using sulphate resistant cement.
- The normal dosage range could be increased in hot climate up to 2.2 liters /100 kg of cement.

### Overdosing:

- In general, the effect of overdose depends upon type of cement, mix design, overdose level and the curing temperature. However, higher dosage result in higher workability, longer setting time and the ultimate strength may be increased depending on the quantity of entrained air.
- To avoid the negative effects of longer setting time, the concrete should be cured properly.

### Directions for Use:

- **ADDICRETE BVM** increase the efficiency of both mixing water and the hydration of the cement particle to produce maximum strength.
- To obtain the maximum effect, BVM should be added to the concrete mix with mixing water. Also, the optimum dosage should be established from trial mixes using the concrete materials, at site.

### Safety Precautions:

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

### Storage:

- 18 months under suitable storage conditions.

### Packages:

- 5 kg, 20 kg and 200 kg.