

Addicrete BVF

High Range Water Reducing ,Super Plasticiser Concrete Admixture.

Standard Specification:

- **ADDICRETE BVF** complies with ASTM C 494 type F (Subsequently type A), EN 934-2 and ES 1899.

Description:

- **ADDICRETE BVF** is super plasticiser and high range water reducer without retarding effect for both concrete and mortar.
- **ADDICRETE BVF** is a brown liquid ready to use concrete admixture.

Fields of Use:

- **ADDICRETE BVF** is suitable for bridges, factories, precast and prestressed concrete elements.
- it produces high early compressive strength which enables the early stripping of the concrete formwork.

Advantages:

- The very strong plasticiser effect (without retarding effect)of **ADDICRETE BVF** enables high reduction in water cement ratio and consequently high increase in concrete strength specially the early strength and even at low temperatures.
- Produces self levelling concrete and mortar.
- Minimizes shrinkage and produces a virtually non-shrink concrete.
- Minimizes the bleeding of concrete and the segregation of aggregate.
- Reduces the shrinkage and the drying cracks.
- Increase the density, uniformity, durability and the resistance of concrete to aggressive agent.

Technical Data : (at 25°C)

| | |
|------------------|------------------------------|
| Base | Naphthalin sulphonate |
| Appearance | Brown liquid |
| Density | 1.18 ± 0.01 kg/l |
| Chloride content | Nil |
| Air entrainment | Nil |
| Compatibility | All types of Portland cement |

Directions for Use:

- **ADDICRETE BVF** is preferably added to concrete during the mixing process or to the water prior to concrete mixing.

Rate of Use:

- Normal dosage 0.3-0.6 % of cement weight (1-2 kg/m³ of concrete).
- The dosage can be increased to 2- 4% of cement weight until the maximum allowable reduction in water/cement is reached to allow for the maximum possible strength.
- Actual dosage should be established from trial mixes to suit site requirements.

Safety Precautions:

- **ADDICRETE BVF** 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.

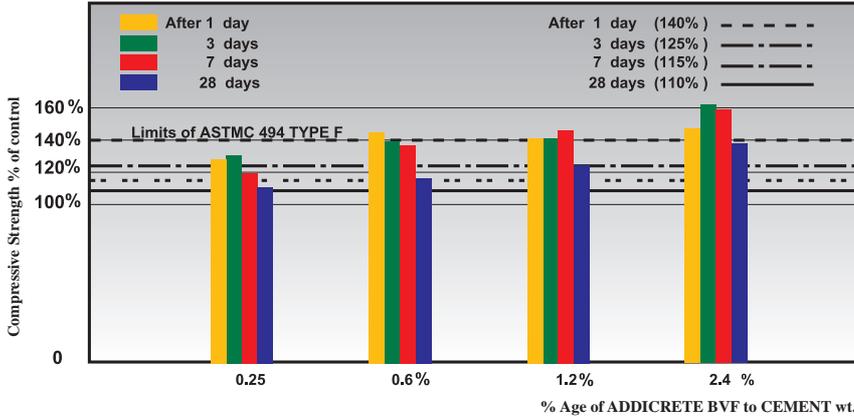
Storage:

- 18 months under suitable storage conditions.

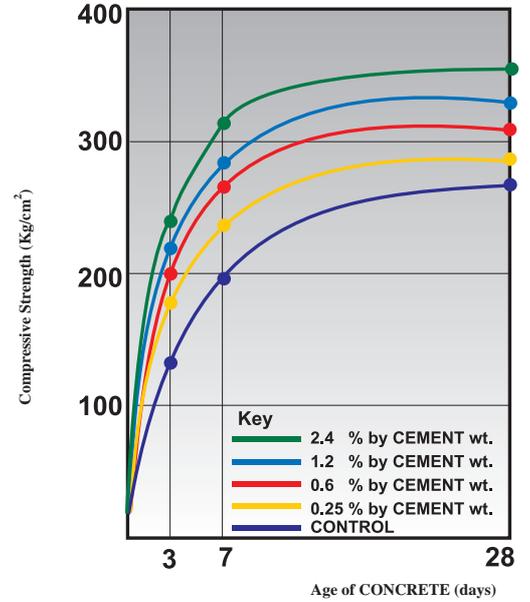
Packages:

- 20 kg and 200 kg.

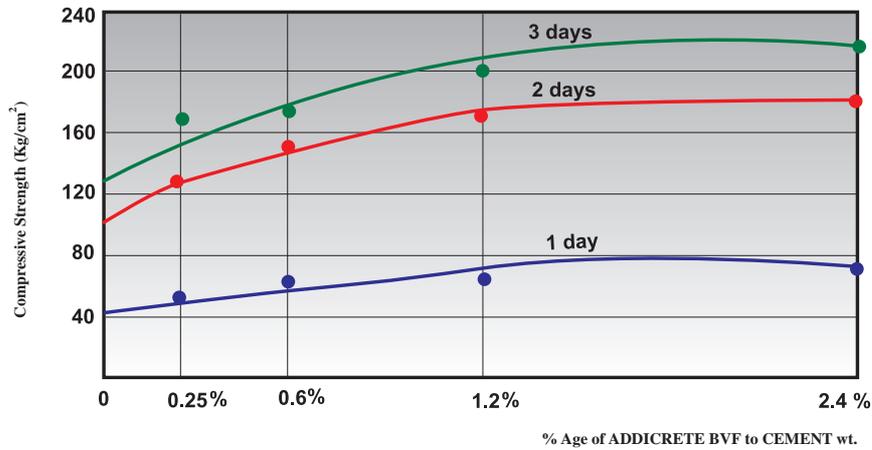
Admixtures For Improving Concrete & Mortar Properties



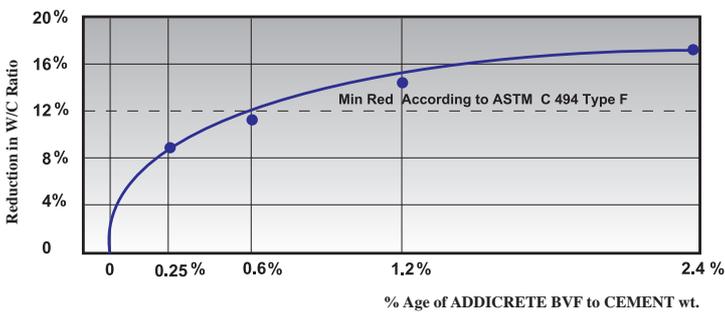
Effect of ADDICRETE BVF on Compressive Strength Related to Control Strength



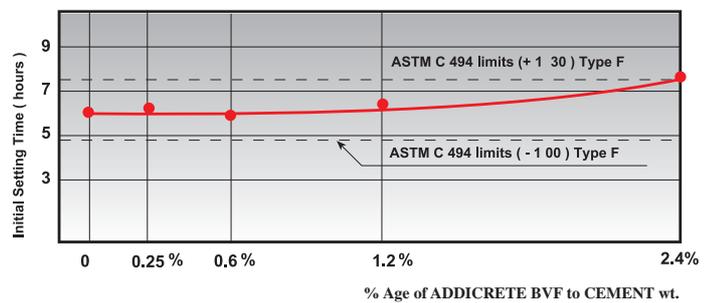
Effect of ADDICRETE BVF on Compressive Strength



Effect of ADDICRETE BVF on Earlier Compressive Strength (after 1, 2, 3 days)



Effect of ADDICRETE BVF on Reduction of W/C



Effect of ADDICRETE BVF on Setting Time