

Addicrete BVD

Water reducing, set retarding and plasticiser concrete admixture.

Standard Specification:

- **ADDICRETE BVD** complies with ASTM C 494 - type D (subsequently type B), EN 934 - 2 and ES 1899 - 1.

Description:

- **ADDICRETE BVD** is Powerful concrete water reducing plasticiser and set retarder.
- **ADDICRETE BVD** is brown ready to use aqueous solution based on sodium gluconates.

Fields of Use:

ADDICRETE BVD can be used with all types of cement to achieve the following properties:

- To delay the setting time without loss of workability.
- To increase workability without loss of compressive strength.
- To increase compressive strength without loss of workability.
- To reduce cement consumption without loss of workability or strength.

Advantages:

- It improves workability, quicker placing and compaction of concrete.
- Increase strength without increase in cement content, or reduction in workability.
- Improves quality, density, appearance, durability and surface finish of concrete.
- It increases the Resistance of concrete to the attack of Chemically Aggressive agents.
- Higher cohesion, risk of segregation and bleeding are minimized without reduction in the W/C ratio.
- It increase the slump and significantly improves concrete, flow characteristics.
- Easier pumping, lower pumping pressures, prevents clogging and reduces friction in the pipeline.

Technical Data :(at 25°C)

| | |
|------------------|--|
| Base | Selective polymers / Sodium Gluconates |
| Appearance | Brown liquid. |
| Density | 1.17±0.01 kg/l |
| Chloride content | Nil |
| Air entrainment | Almost nil |
| Compatibility | All types of Portland cement |

Directions for Use:

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

Rate of Use:

- Normal dosages 0.15 - 0.30% of cement weight (0.5 - 1.0 kg/m³ concrete).
- Higher dosages result in higher workability, longer setting time or more water reduction and higher strengths.
- Actual dosage should be established from trial mixes to suite requirements.

Safety Precautions:

- **ADDICRETE BVD** 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.

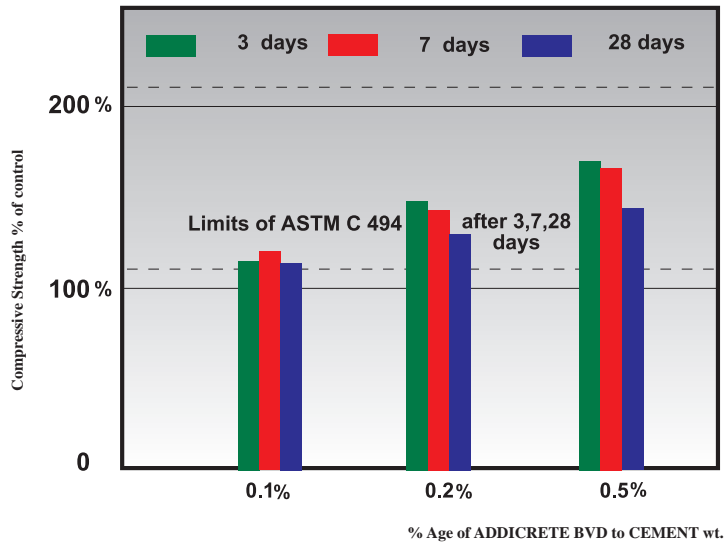
Storage:

- 18 months under suitable storage conditions.

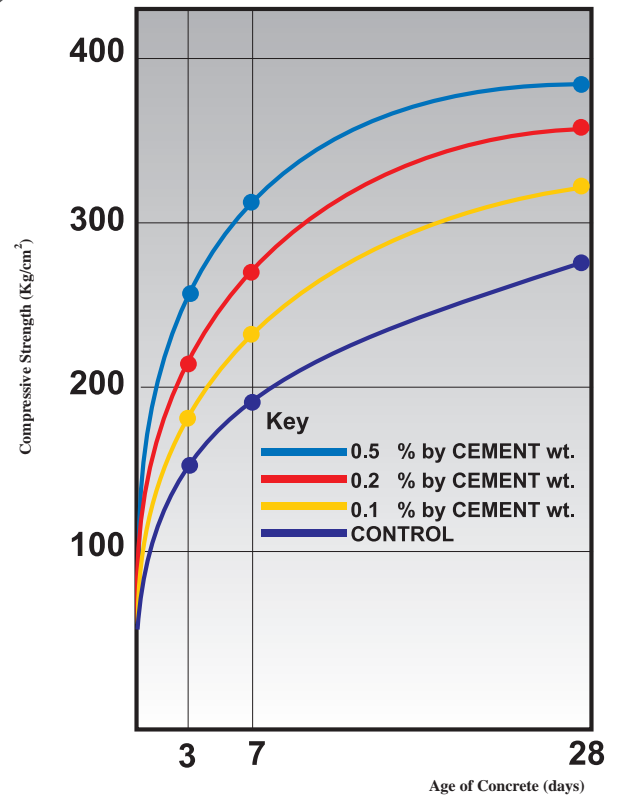
Packages:

- 20 kg and 200 kg.

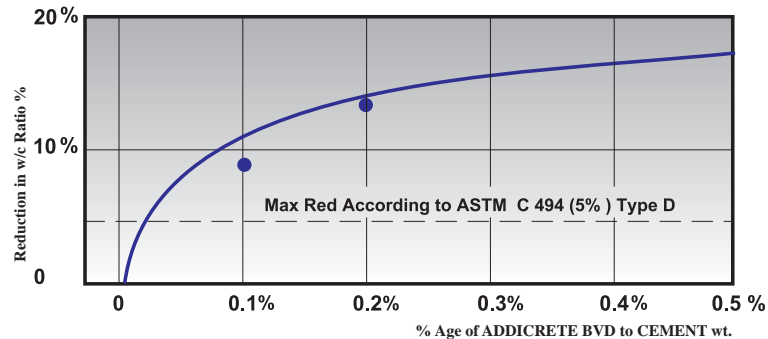
Admixtures For Improving Concrete & Mortar Properties



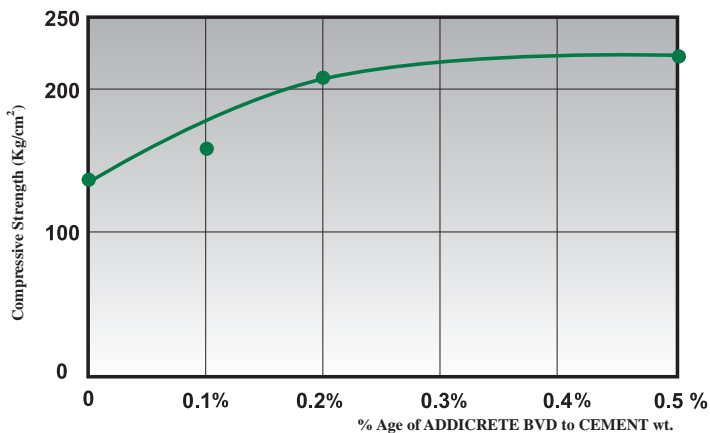
Effect of ADDICRETE BVD on Compressive Strength Related to Control Strength



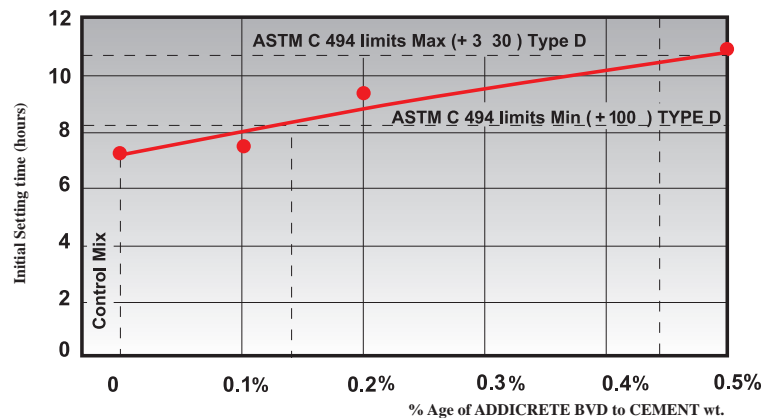
Effect of ADDICRETE BVD on Compressive Strength



Effect of ADDICRETE BVD on Reduction of W/C



Effect of ADDICRETE BVD on Earlier Compressive Strength (after 3 days)



Effect of ADDICRETE BVD on Setting Time