

Addicrete BV

Water reducing and plasticiser concrete admixture

Standard Specification:

- **ADDICRETE BV** is water reducing plasticiser and flowing concrete admixture. complies with ASTM C 494- type A, EN 934 - 2 and ES 1899-1

Description:

- It is a ready to use brown liquid concrete admixture based on selected and highly purified Ignosulphonates.

Field Of Use:

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

- To increase workability without loss of strength.
- To increase strength without loss of workability.
- To reduce cement consumption without loss of workability or strength.

Advantages:

- Improves workability, with easier and quicker placing and compaction.
- Provides a higher strength without increase of cement content or reduction of workability.
- It improves the quality, the density and appearance of concrete, It improves durability and surface finishes.
- It produces higher cohesion. Risk of segregation and bleeding are minimized
Without reduction in the water content, it increases the slump and significantly improves concrete-flow characteristics.
- Easier low pumping pressures, which prevent clogging and reduce friction in the pipeline.
- It is chloride free, and safe to be used in reinforced and pre-stressed concrete.
- It increases durability and resistance of concrete to attack by aggressive agents.

Technical Data :(at 25°C)

Base	Ligno sulphonates
Appearance	Brown liquid.
Density	1.18±0.01 kg/l
Chloride content	Nil
Air entrainment	Almost nil
Compatibility	All types of Portland cement

Directions For Use:

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

Rate Of Use:

- Normal dosages ranges from 0.15 - 0.30% of cement weight. (about 0.50 - 1 kg/m³ concrete or 0.25 - 0.50 kg/100 litre of water).
- Actual dosage should be established from trial mixes to suit site requirements.

Safety Precautions:

- **ADDICRETE BV** 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.

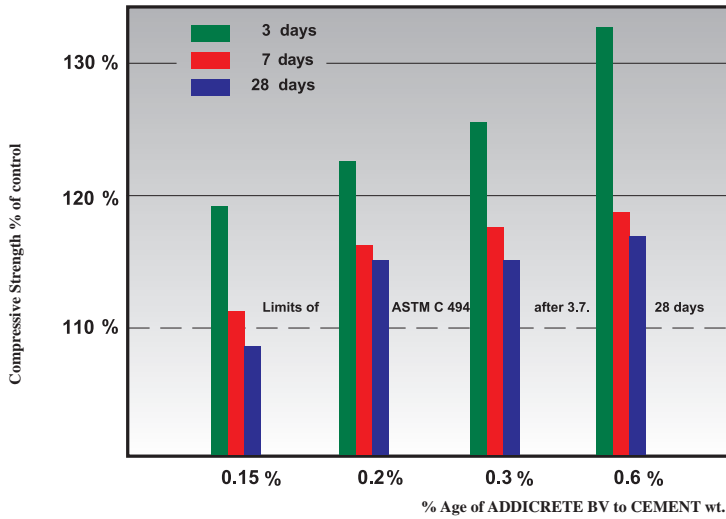
Storage:

- 18 months under suitable storage conditions.

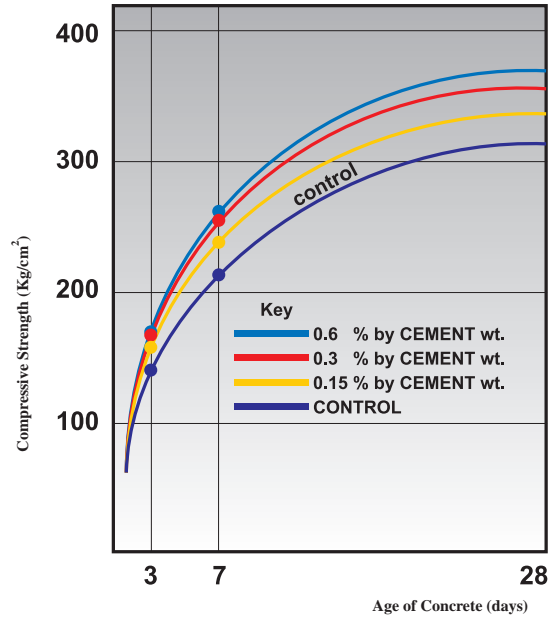
Packages:

- 20 kg and 200 kg.

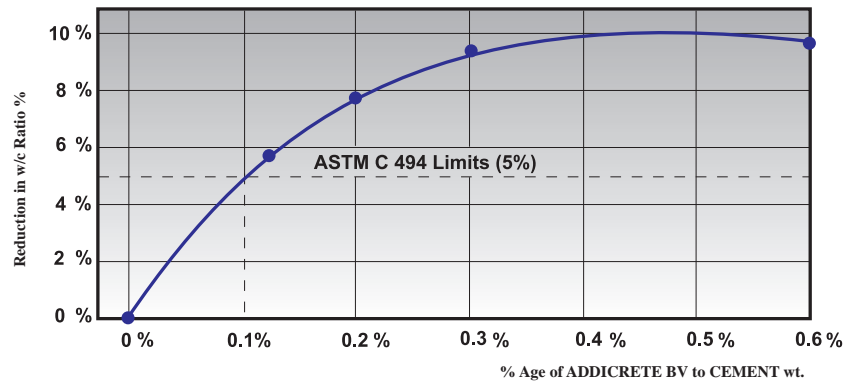
Admixtures For Improving Concrete & Mortar Properties



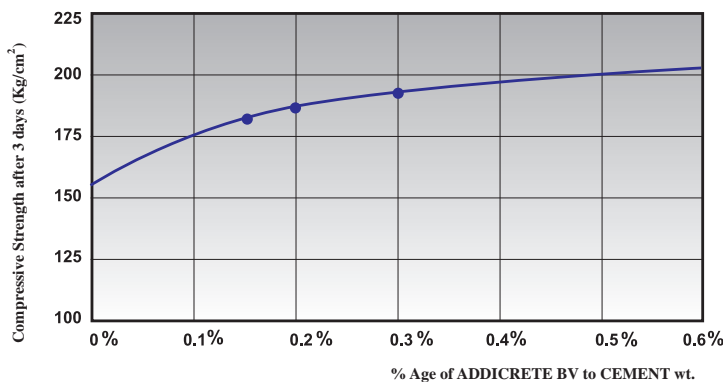
Effect of ADDICRETE BV on Compressive Strength Related to Control Strength



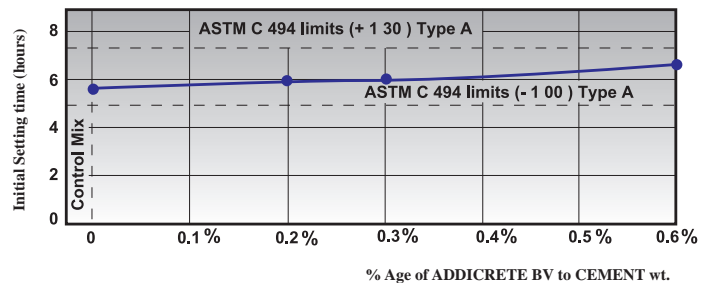
Effect of ADDICRETE BV on Compressive Strength



Effect of ADDICRETE BV on Reduction of W/C



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



Effect of ADDICRETE BV on Setting Time