

**Uses:**

CB SUPERPLAST 430 SRV is used where a high degree of workability is required and also as an aid to workability retention where delays in transportation or placing are likely or when high ambient temperatures cause rapid slump loss.

It is also used to facilitate production of high quality concrete of improved durability and water tightness

**Advantages:**

**Speeds Construction:** Increased workability reduces placing time, equipment and labour element. **Self-**

**Compacting:** APEXBUILD AP430 SRV modified concrete is highly fluid and needs little or no compaction.

**Reduced Permeability:** Better dispersion, reduces porosity and improves water penetration resistance.

**Reduced Segregation:** Increased cohesion minimizes segregation and bleeding, improving surface finish.

**Longer Placing Time:** APEXBUILD AP430 SRV gives greater usable life of concrete at high ambient temperatures because of its unique workability retention potential.

**Improved Pump ability:** Increased workability and cohesion aids pumping by reducing line friction, dry packing and slump loss due to temperature.

**Chloride Free:** Safe in pressurised, reinforced or marine concrete and compatible with sulphate resisting cement or marine aggregate.

**Description:** APEXBUILD AP430 SRV is a dark brown liquid based on a blend of specially selected organic polymers. The plasticizing action of APEXBUILD AP430 SRV enables the production of high workability concrete, which maintains the workability for prolonged periods even at high ambient temperatures.

**Properties:**

**Specific Gravity:** 1.260 at 270C

**Chloride content:** Nil to IS:456

**Setting Time:** APEXBUILD AP430SRV when used at the recommended dosage level may retard the setting of concrete.

**Air entrainment:** Less than 1.5%

**Compatibility:** APEXBUILD AP430SRV is generally compatible with other APEXBUILD Admixtures but it is recommended that all admixtures be added to concrete separately. APEXBUILD AP430SRV can be used with all types of Portland cements.

**Compressive Strength:** APEXBUILD AP430SRV is primarily a highly efficient super plasticiser giving large increase in workability without significant changes in compressive strength. CB SUPERPLAST 430 SRV may be used to produce substantial water reduction resulting in a considerable increase in compressive strength.

**Application instructions**

**Dosage:** It is recommended that the optimum dosage is determined by site trials with the actual concrete mix. As a guide the rate of addition is generally in the range 0.35 to 0.90 liters/100 kg cement for normal mixes & 0.5 to 1 liter/100 kg for high cement content mixes. The higher dosage is used where "flowing concrete" is required and may be found necessary to modify concrete mix proportions. APEXBUILD can advise on mix design if required.

**Curing:** Normal curing method such as water spray, wet hessian or a Supercure curing membrane should be used