



PLASTCARE SP200

Water reducing concrete admixture



DESCRIPTION

PLASTCARE SP200 is a highly effective dual action liquid superplasticizer that imparts excellent slump retention for prolonged periods. It is used for the production of free flowing concrete or as a substantial water-reducing agent for promoting high early strengths. Suitable for use in hot and tropical climatic conditions.

FEATURS & BENEFITS

- › Workability is greatly improved
- › Concrete is placed easily
- › Especially suitable for slender components with densely packed reinforcement Concrete requires less vibrating
- › Impressive water reduction capability
- › Final strength improvement

AREA OF APPLICATION

- › Slabs and foundations
- › Walls, columns and piers
- › Pre-cast concrete elements
- › Pre-stressed concrete
- › Bridges and cantilever structures

METHOD OF APPLICATION

- › The optimum dosage is best determined by site trials with the concrete mix which enables the effects of workability, strength gain or cement reduction to be measured. Site trials with PLASTCARE SP200 should always be compared with mix containing no admixture. As a guide, a dosage range of 0.6 to 1.4% weight of cement is normally recommended.

COMPETIBILITY

- › It is compatible with other types of admixtures when added separately to the mix. Site trials should be carried out to optimize dosages. It is suitable for use with all types of ordinary Portland cements and cement replacement materials such as PFA, GGBFS and silica fume.

DURABILITY

- › Reduction in W/C ratio enables increase in density and impermeability thus enhancing durability of concrete

COHESION

- › Cohesion is improved due to dispersion of cement particles thus minimizing segregation and improving surface finish.

COMPRESSIVE STRENGTH

- › Makes possible major reductions in water: cement ratio which allow the production of high strength concrete without excessive cement contents.

TECHNICAL INFORMATION

PROPERTIES	RESULT
Colour	Brown liquid
Sp. Gravity	1.05 to 1.15
pH value	8 to 10
Chloride Content	Nil
Air Entrainment	Maximum 1%
Composition	Sulphonated naphthalene

COMPLIANCE STANDERD

- › BS: 5075:1985 part-3, ASTM C 494M Type 'F' (As a high range water reducing admixture)

PRECAUTIONS & LIMITATIONS

- › Excessive water addition or overdosing may cause bleeding or segregation.
- › Overdosing may cause extension of initial and final setting times.
- › If frozen and / or if precipitation has occurred, PLASTCARE SP200 may be used after thawing slowly at room temperature and after intensive mixing.

SHELF LIFE

- › 12 months for sealed pack when stored under cover, out of direct sunlight, dampproof condition and protect from extremes of temperature.

PACK SIZE

- › 10, 20, 50, 220 Kg pack

SAFETY PRECAUTIONS

- › Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. Limited to professional use only.

Note: All technical data tasted in this product data sheet are based on laboratory tests. Actual measured data may vary according to trails and quality of material availability