



PLASTCARE P100

Water reducing concrete admixture



DESCRIPTION

BYZON PLASTCARE P100 is a chloride free water reducing admixture based on selected sugar-reduced lignosulphonates. It is supplied as a brown solution which instantly disperses in water. PLASTCARE P100 disperses the fine particles in the concrete mix, enabling the water content of the concrete to perform more effectively and improving the consistency of the concrete. This produces higher levels of workability for the same water content, allowing benefits such as water reduction and increased strengths to be taken.

FEATURS & BENEFITS

- Improved workability without increased water
- Reduced water without loss of workability
- Water tight / water proof concrete
- Increased strength / durability
- Cement saving / economy
- Improved surface finish
- Reduced shrinkage and creep

AREA OF APPLICATION

- PLASTCARE P100 used wherever high quality structural concrete is required. Its plasticising effect is particularly useful where:
- Exposed surfaces are important
- Placing conditions are difficult
- Poor quality aggregates are found
- Pre-cast elements are produced

METHOD OF APPLICATION

- The optimum dosage of PLASTCARE P100 to meet specific requirements should always be determined by trials this allows the optimization of admixture dosage and mix design and provides a complete assessment of the concrete mix. A starting point for such trials is to use a dosage within the normal typical range of 0.6 to 1.2% of cementations material, including PFA, GGBS and micro silica.
- One of the most effective means by which the water permeability of a concrete mix can be reduced is to make a large reduction in water-cement ratio. PLASTCARE P100 can be used to provide such a reduction and to produce a concrete with the benefits of low permeability.
- Reduced water cement ratio in concrete will ultimately increases the strength of concrete in all ages. This admixture will decrease water demand required for concrete and reduced water will increase strength of concrete.

TECHNICAL INFORMATION

PROPERTIES	RESULT
Colour	Brown liquid
Sp. Gravity	1.15 to 1.17 @25°C
pH value	11 to 13
Chloride Content	Nil
Dosage	200-250ml/50 kg cement bag

COMPLIANCE STANDERD

- › BS: 5075:1985 part-3
- › ASTM C494 Type A

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 P100 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, 200 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 tested in this product data sheet are based on laboratory tests. Actual measured data may vary according to trails and quality of material availability