



CLASSIC CRETE RPL

Retarding Super Plasticizer

Product:

Classic Crete RPL is a retarding water reducing admixture conforming to IS-9103:79 BS-5075 part1:1082 and ASTM C-494:71 type D.

Description:

Classic Crete RPL is based on processed lignosulphonates and can be used with all types of Portland cements. **Classic Crete RPL** acts as both a set-retarder and as a plasticizer. As a retarder, it can be used to extend setting time in high ambient temperatures especially where mass concreting is involved such as foundations, water structures, silos, piles and slip form structures where long delays or interruption can lead to problems or where cold joints have to be avoided.

As a plasticizer, it can be used to increase workability without addition of water or obtain increased strength by reducing water content for a given workability. Cement reduction up to 10% is possible for a given workability and strength. The high workability is useful for difficult pours or where problem of reinforcement congestion exists.

Purpose & Uses:

To retard the setting time of concrete and to reduce water requirement for a specified workability.

Dosage:

0.15 litre to 0.55 litre per 50 Kg cement may be used for retardation of 1 to 4 hours. Overdosing up to double the normal levels may lead to retardation of setting times and may tend to segregate and produce ultra-fluid concrete.

Packing:

Available in 5, 10, 20, 50, 200 litres Carboy/drums.

Typical Properties:

Appearance: Brown Liquid

Air Entrainment: 1% approximately

Sp. Gravity: 1.185 @ 27°C

Chloride Content: NIL as per IS 456 & BS 5075

Advantages:

- Extends setting time.
- Avoidance of cold joints.
- Reduced permeability and increased durability.
- Increased workability makes placing, compaction and finishing easier and better.
- Increased strength due to reduction in water.
- Can be used with pump concrete.
- Chloride Free.
- Ideal for RMC Plants.

Properties:

Classic Crete RPL can be used with all types of Portland cements and is chloride free. It has no significant effect on setting times at normal dosage levels. It can be used on mortar grouting of pressurised wires.

Storage Life:

Minimum one year if stored below 50°C in original sealed containers. If allowed to stand for a long time, contents should be stirred before use.

Handling Precautions:

Classic Crete RPL is not-toxic, however, Splashes on the skin should be washed well with water. **Classic Crete RPL** concrete shall be used in accordance with the instructions of PRIMADONN Buildtech Pvt. Ltd. and dosages as determined at site.

Variety of Products:

Following are other similar products from Primadonn Buildtech Pvt. Ltd.

- Classic Airent
- Classic Airent-3

CLASSIC CRETE RPL

Retarding Super Plasticizer

- Classic Crete-AXL (CB)
- Classic Crete-AXL (CF)
- Classic Crete-RMW (Powder)
- Classic Crete-RMW
- Classic Mortar Plasticizer
- Classic Plasto-Master
- Classic Poly-Propylene Fibres
- Classic Superflo-PC
- Classic Superflo-N
- Classic Superflo-SP
- Classic Superflow Special



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