



UCLID TECHNOLOGY LTD.

(CONSTRUCTION CHEMICAL DIVISION)

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PRODUCT SUMMARY

www.uclidtechnology.com

UCOPLAST - RP- 350

CA-113

Retarding Plasticiser

Advantage

- * Allows extension of setting time
- * Avoid cold Joints
- * Improved Structural Continuity
- * Improved workability and longer placing time in case of ready mix concrete.
- * Improved Strength and Durability
- * Lower Shrinkage and Permeability
- * Improved Placing and Finishing
- * Chloride – Free
- * Controlled predictable retardation of setting time.
- * Improved compressive, flexural and tensile strength of concrete at all ages.
- * Mixes more responsive to vibration.
- * Improves cohesion of mix-lessening segregation and bleed water effects.
- * Cement saving can be obtained by maintaining original strength + workability

Product

Ucoplast – RP 350 is a set retarding water reducing admixture for concrete complies with ASTM C - 494 type B and BS 5075 Part : 1

Composition

Ucoplast RP 350 is based on selected non fermented blend of ligno and polyhydroxy carboxylic acid derivatives

Purpose

To retard the setting time of concrete with water reduction for a specified workability

Dosage

150 ml – 300 ml / 50 kg. Cement bag.
Optimum dosage should be determined by site trials.

Packing

5,10,50,100,210 Ltr drums or Bulk delivery

Our Sole Distributor :

Innovative MARKETING

Shop No. 1, Avni Complex,
G.I.D.C., Estate, Pardi-396 125, Dist. Valsad, Gujarat.
Phone : (0260) 373551
E-mail : inn_marketing@yahoo.co.in

Our Dealer :

Description

Ucoplast RP 350 is an admixture capable of acting not only as Plasticiser but which are also capable of delay setting time of concrete ensures that the cement is used more efficiently to provide workability or increased strength at reduce water content.

Action

Ucoplast RP 350 acts as both a set retarder and as a plasticiser the plasticising action of Ucoplast- RP may be used in several ways.

1. If no adjustment is made to water cement ratio a high workability concrete will be obtain which is useful for difficult pours.
2. UCOPLAST RP-350 is absorbed on to the surface of C_3A and C_3S of cement which are responsible for early setting and early strength effect respectively. Thus slowing down early setting / stiffening effects in hydrating cementitious system. This effectively extends period of workability / plasticing of the concrete allows delay in the setting time and modifies the hydration to produce optimum crystal growth with fewer pores giving higher strength reduced permeability and greater durability.

Where to use

- * For Raft foundation, slip form structure tunnels etc. To avoid cold joints.
- * For difficult pore and congested Steel work
- * In high summer, warmer climates.
- * Ready mixed concrete for long hauls / hot weather concreting .
- * Pumped concrete - to offset problems due to break down delays.

Technical Data

FormLiquid
ColourBrown
Cl Content Nil
pH 7.5 ± 1
Air entertainment<2%
Specific Gravity..... 1.20

Method of use

Ucoplast – RP 350 should be added with the guaging water in sufficient time to ensure that it is distributed evenly through out the entire batch.

The dosage rate is 150 ml – 300 ml
Optimum dosage should be determined by site trials overdosing would lead excess set retarding beyond the range quoted.

Storage Life

One year if kept in manufacturer sealed drums under shade protect from frost & direct sunlight.

Health & Safety

UCOPLAST - RP 350 is an industrial chemical mildly alkaline prolonged contact with skin should be avoided.

Retardation Observation

With no water reduction 3 hrs. over control
with water Reduction = 2 hrs. over control

Important Note :-

All product should be used in accordance with manufactures instructions. Every effort is made to ensure that the information is reliable, we cannot accept responsibility for work carried out with our materials as we have no control over methods of application, site conditions etc.