



UCOPLAST-SR-550

CA-114

Superplasticiser For Improved Slump Retention

Product

UCOPLAST-SR-550 is a high quality superplasticiser capable of high workability retention with set retarding effect complies with ASTM-C494 type A, G and BS 5075 part 3,

Composition

UCOPLAST-SR-550 is brown liquid based on modified sulphonated naphthalene and specially selected organic polymers.

Description

UCOPLAST-SR-550 is new high range water reducing super plasticiser admixture specially formulated specially to extend working time of flowing concrete. The incorporation of a retardant into the system enables workability to be retained for longer period.

UCOPLAST-SR-550 extends the time span of the slump increase twice or longer.

Benefit

The powerful dispersing action and the extended period of fluidity offer the following benefits.

1. High Workability
Concrete containing UCOPLAST-SR-550 literally flows and it is almost self-leveling. It can be place around congested reinforcement and requires little or no vibration, this significantly reduces concrete placement time and cost. Improves finish without risk of bleeding and segregation.
2. Slump Retainer
UCOPLAST-SR-550 retains the slump for longer time and no adverse effect on ultimate strength especially suitable for hot climate and where pumped concrete is used.
3. Water Reducer
As water reducer UCOPLAST-SR-550 helps up to 25% water reduction that significantly increase early and ultimate strength improves surface finish and water tightness.

Technical Data

Physical State..... Brown Liquid
Chloride Content.....Nil
Air entrainment..... Slight
Sp.gravity.....1.25
pH.....7.5 ± 1
Compatibility.....with all OPC

Advantage

- Imparts extreme fluidity.
- Retention extended for any period of time
- Achieves good compaction without need for excessive vibration
- Reduced permeability
- Facilitates rapid placing of concrete
- Increase compressive and flexural strength
- Reduced segregation and bleeding
- Chloride – free
- Controlled predictable retardation of setting and improved slump retention.
- Can be designed to pump easily at low water / cement ratios and moderate cement contents

Purpose

To impart very high workability to cement/aggregate mix without the addition of extra water which improve retention of high workability with time without excessive retardation of set. Advantageous in high temperature applications.

Where to Use

- Precast & Pre-stressed concrete
- Mass concreting
- Pump concrete
- Congested Reinforcement concrete

Method of Use

UCOPLAST-SR-550 is to be added into the gauging water and then in concrete.

Normal dosage of UCOPLAST-SR-550 is in the range of 400 ml – 800 ml per 50 KG Cement, depending upon the workability required.

Dosage

400 – 800 ml / 50 KG cement

Optimum dosage should be determined by site trials

Packing

5, 10, 50, 100, 210 litre drums or bulk delivery

Overdosing

Overdosing should be avoided since it may produce a concrete that may lead to segregate and prolonged retardation of set.

Health & Safety

UCOPLAST-SR-550 is an industrial chemical, ingestion should be avoided.

Storage

- UCOPLAST-SR-550 has a shelf life of 12 months from the date of manufacturing, if stored as per manufacturer's instructions & in manufacturer's original unopened packing.
- Keep away from direct sunlight and store in dry & shade.
- Protect from freezing and moisture.

Handling Precaution

- UCOPLAST-SR-550 is an industrial chemical, required handling precautions should be followed.
- UCOPLAST-SR-550 is non-flammable and doesn't contain any flammable ingredient.
- UCOPLAST-SR-550 is non-hazardous, however inhalation of its dust particles should be avoided. Use of facemask is recommended.
- Prolonged contact with skin should be avoided. Use rubber gloves and boots, when working overhead, goggles should be worn.
- Contact with eye should be avoided. If in contact with eye, wash with water and take medical advice immediately.

Important Note:

All products should be used in accordance with manufacturers instructions. Every effort is made to ensure that the information is reliable, however we do not accept any responsibility for any work carried out with our material(s) as we have no control over the method(s) used for application, site conditions, weather conditions, etc.

INNOVATIVE
MARKETING

Works:

Plot No. 16, GIDC Industrial Estate, Pardi – 396125, Dist. Valsad, GJ, IND

+91 99250 35219 | info@innovativemarketing.in | www.innovativemarketing.in

Marketed by:



UCLID TECHNOLOGY LTD.
(CONSTRUCTION CHEMICAL DIVISION)

www.uclidtechnology.com