

CAPLAST SUPER-R

HIGH PERFORMANCE, PROLONGED WORKABILITY
RETAINING & RETARDING SUPER PLASTICIZER

DESCRIPTION

CAPLAST SUPER-R is a versatile product, which can be used to maintain workability and effect of water reduction throughout a varying range of concrete mix designs and ambient temperature conditions.

FEATURES

By virtue of powerful plasticizing and deflocculating action CAPLAST SUPER-R disperses the fine cement particles in the concrete mixes, to retard and maximize the hydration of the cement paste. It enables the production of high workability concrete, maintains it workability for prolonged period even at high temperature.

STANDARDS

CAPLAST SUPER-R complies with the specifications of ASTM C 494, type G and BS 5075 part III.

USES

CAPLAST SUPER-R is especially suitable for :

- Mass concrete pours.
- Ready mix concrete.
- Pumpable concrete.
- Casting in hot climate.

ADVANTAGES

- Excellent workability retention during hot climate concreting.
- Effective over high range of cement contents.
- Improves pumpability, durability and impermeability.
- Provide extended working life to concrete even at high temperatures.

TYPICAL PROPERTIES

Appearance:

Dark brown liquid.

Specific gravity:

1.20 at 25°C.

Chloride content:

Nil to BS 5075.

Air entrainment:

Complies with requirements of ASTM C-494 section 12.2.1

Toxicity:

Non toxic.

Compatibility with cement:

CAPLAST SUPER-R can be used with all types of Portland cement. It can also be used in mix designs containing fly ash, microsilica and other cement replacement materials.

Compatibility with other admixtures:

Compatible with other Ahlia admixtures, provided they are added separately to the mix.

Shelf life:

At least 24 months if stored in tightly closed containers at normal ambient temperature.

DIRECTONS FOR USE

CAPLAST SUPER-R is supplied ready for use. It should be added to concrete mixes during the mixing process, preferably at the same time along with mix water. Alternatively when using CAPLAST SUPER-R to produce flowable concrete at site in transit mixer trucks, it can be added to the concrete via the feed hopper at the rear of the truck, ensure uniform mixing before use.

Dosage:

To meet a specific requirement, the optimum dosage of CAPLAST SUPER-R should always be determined by site trials on actual mix.

As a general guide the recommended dosages are,

0.15 – 0.4 lbs. per 50 kg for plasticized concrete.

0.5–0.7 lbs. per 50kg for flowable concrete.

Dispensing:

Best by dispenser into the gauging water or directly with the water into the mixer.

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Overdosing:

An overdose of double the recommended dosage of CAPLAST SUPER-R results in the following.

- Retardation of initial and final setting times.
- Increase in workability.
- Slight increase in air entrainment.

Provided if properly cured, the ultimate strength of concrete will not be adversely effected.

SAFETY PRECAUTIONS

CAPLAST SUPER-R is non-toxic and non-hazardous. Splashes to eyes and skin should be washed off immediately with abundant water.

It is advisable to use goggles and gloves while handling CAPLAST SUPER-R.

PACKAGING

CAPLAST SUPER-R is supplied in bulk , 205 liter barells or 20 liter cans.

STORAGE

Store in sealed conventional containers. Protected from extreme weather conditions.

TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

Note : The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

As all Ahlia Technical Data Sheets are updated on a regular basis, it is the user responsibility to collect most recent issue.