

Plastit[®] R

Retarding Admixture

Uses

Provides retardation in initial and final setting time in all cementitious materials.

Advantages

- Set retardation allows extra placing time for larger pours.
- Set retardation controls stiffening time of concrete and cementitious materials in hot weather.
- Long distance transportation of concrete

Standards compliance

Plastit R conforms with ASTM C494 as Type B.

Description

Plastit R is a water solution of active polymers that retard cement hydration and limit slump loss in concrete and cementitious materials during hot weather and when transporting over long distances.

Typical dosage

The optimum dosage Plastit R to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. The normal dosage range is 0.4 to 1.2 kg/100 kg of cementitious material, including PFA, GGBFS and microsilica.

Properties

Appearance	Colorless liquid
Specific gravity	1.03 to 1.1 gr/cm ³ at 20°C
Chloride	Nil to BS5075
Air entrainment	Typically less than 2% additional air is entrained at normal dosages.
Alkali content	Typically less than 30.0 g. Na ₂ O equivalent/litre of admixture. A fact sheet on this subject is available.

Instructions for use

Compatibility:

Plastit R is compatible with other CAPCO admixtures in the same concrete mix. All admixtures should be added to the concrete separately and must not be premixed together prior to addition. The performance of concrete containing more than one admixture should be assessed by trial mixes.

Plastit R is suitable for use with all types of Portland cements, SRC cements and cement replacement materials such as PFA, GGBFS and microsilica.

The use of a combination of admixtures in the same concrete mix and or cement replacements may alter the setting time. Trials should always be conducted to determine such setting times.

Dispensing:

The correct quantity of Plastit R should be measured by means of a recommended dispenser. The admixture should then be added to the concrete with the mixing water to obtain the best results.

Packaging

Plastit R is available in 24 kg containers and 240 kg drums.

Storage

Plastit R has a minimum shelf life of 12 months provided the temperature is kept within the range of 5°C to 35°C. Should the temperature of the product fall outside this range then contact CAPCO for advice.

Freezing point: Approximately -5°C

Precautions

Health and safety:

Plastit R does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes.

Suitable protective gloves and goggles should be worn.

Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

Fire:

Plastit R is non-flammable.