

# Plastit<sup>®</sup> LA

## Accelerating, Water Reducing Admixture

### Uses

As an accelerator for use in concrete and cement mortars to promote rapid strength development for early stripping of formwork, and to assist in resisting of frost attack, ideal for cold winter working conditions.

### Advantages

- Allows continuous placing of concrete at low temperatures
- Gives anti-frost protection by allowing water reducing thus accelerating cement hydration process
- Allows earlier release from precast moulds
- Allows reduction in mixing water with no loss of workability
- Increased density and compressive strength

### Standards compliance

Plastit LA complies with BS5075 part1: 1974 and ASTM C494-1971

### Description

Plastit LA supplied as a brown liquid, is based on selected stabilized sugar reduced lignosulphonates blended, which when added to cementitious mixes, accelerates hydration and enables the water content to perform more efficiently.

### Typical dosage

Optimum dosage of Plastit LA to meet specific requirements should always be determined by trial mixes using the material and conditions that will be experienced in use. The normal dosage range is 0.4 to 1.0 kg/100 kg of cementitious material, including PFA, GGBFS or microsilica.

### Properties

Appearance	Brown Liquid
Specific gravity	1.15 gr/cm <sup>3</sup> 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 5.0 g. Na <sub>2</sub> O equivalent/litre of admixture. A fact sheet on this subject is available.

### Instructions for use

#### Compatibility:

Plastit LA 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 LA 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 LA 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 LA is available in 20 kg containers and 240 kg drums.

### Storage

Plastit LA 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 -3°C

### Precautions

#### Health and safety:

Plastit LA 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 LA is non-flammable.