

Struset® RST

Set-Retarding and Slump Retaining Admixtures

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

Struset RST conforms with ASTM C494 as Type B.

Description

Struset RST 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 Struset RST 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 0.2 to 0.8 kg/100 kg of cementitious material, including PFA, GGBFS and microsilica.

Properties

Appearance	Light green liquid
Specific gravity	1.10 ± 0.03 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 15.0 g. Na₂O equivalent/litre of admixture. A fact sheet on this subject is available.

Instructions for use

Compatibility:

Struset RST is compatible with other STRUMIX 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.

Struset RST 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 Struset RST 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

Struset RST is available in 20 kg containers, 200 kg drums and 1100 kg IBC tank.

Storage

Struset RST 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 STRUMIX for advice.

Freezing point: Approximately -5°C

Precautions

Health and safety:

Struset RST 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.

Struset RST

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:

Struset RST is non-flammable.