



CONSTRUCTION CHEMISTRY

- b) High temperatures will require increased dosages to obtain the same change in stiffening time compared to a control mix.
- c) Changes in cement content, source or chemistry may lead to variations in the retardation obtained. The amount of tri-calcium aluminate in the cement has been identified as being one of the main contributory factors in this respect, with a lower level leading to greater retardation.
- d) 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.

Compatibility

Expanplast* R is compatible with other Epanchem Fospak admixtures used in the same concrete mix. All admixtures should be added to the concrete separately and must not be premixed together prior to addition. The resultant properties of concrete containing more than one admixture should be assessed by trial mixes.

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

Dispensing

The correct quantity of Expanplast* 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. Contact Epanchem Fospak for advice regarding suitable equipment and its installation.

Estimating – packaging

Expanplast* R is available in 210 litre drums and bulk supply. For larger users, storage tanks can be supplied.

Storage

Expanplast* R has a minimum shelf life of 12 months provided the temperature is kept within the range of 2°C to 50°C. Storage of material in metal drum slightly change the color of product from clear to light brown.

Should the temperature of the product fall outside this range then contact Epanchem Fospak for advice.

Freezing point: Approximately -4°C

Precautions

Health and safety

Expanplast* 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. For further information consult the Material Safety Data Sheet available for this product.

Fire

Expanplast* R is water based and non-flammable.

Cleaning and disposal

Spillages of Expanplast* R should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water.

The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.



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* Denotes the trademark registered.

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