Use at other dosages

Dosages outside the typical ranges quoted above may be used to meet particular mix requirements. Contact Epanchem Fospak for advice in these cases.

Effects of overdosing

An overdose of double the intended amount of Expanplast* WP200 will result in a significant increase in retardation as compared to that normally obtained at the intended dosage.

This effect is found with most water reducing admixtures, although the degree may vary. Provided that adequate curing is maintained, the ultimate strength of the concrete will not be impaired by increased retardation and will generally be increased.

The effects of overdosing will be further increased if sulphates resisting cement or cement replacement materials are used.

Compatibility

Expanplast* WP200 is compatible with other Epanchem admixtures used in the same concrete mix. All admixtures should be mixed separately and must not be premixed together, any concrete mix containing more than one admixture should be assessed by the trial mix procedure.

Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Brown liquid</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>Typically 1.165 at 20°C</td>
</tr>
<tr>
<td>Chloride content</td>
<td>Nil to BS 5075 &amp; BS: EN934-2</td>
</tr>
<tr>
<td>Alkali content</td>
<td>Typically less than 50.0 g. Na₂O equivalent/liter of admixture</td>
</tr>
</tbody>
</table>

Limitation

The use of Expanplast* WP200 will not make poor quality concrete waterproof, good concrete practice must be followed, good quality sand and crush must be used and minimum cement content should not be less than 300 Kg/m³.

Instructions for use

Mix design

The addition of the admixture will allow water reduction from the mix whilst maintaining workability. After initial trials, minor modifications to the overall mix design may be made to optimise performance.
Where the primary intention is to provide high workability concrete, the mix design should be suitable for use as a pump mix. Advice on mix design for flowing concrete is available from Epanchem Fospak.

**Compatibility**

Expanplast* WP200 is compatible with other Epanchem Fospak admixtures in the same concrete mix. All admixtures should be added to the concrete separately and must not be mixed together prior to addition. The trial mixes should assess the resultant properties of concrete containing more than one admixture.

Expanplast* WP200 is suitable for use with all types of cements OPC, SRC and cement replacement materials such as PFA, GGBFS, and silica fume.

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 Expanplast* WP200 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* WP200 is available in 210 liter drums and bulk supply.

**Storage**

Expanplast* WP200 has a minimum shelf life of 12 months provided the temperature is kept within the range of 2°C to 50°C. Should the temperature of the product fall outside this range then contact your local Epanchem Fospak office for advice.

**Freezing point:** Approximately -6°C

**Precautions**

**Health and safety**

Expanplast* WP200 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* WP200 is water based and non-flammable.

**Cleaning and disposal**

Spillages of Expanplast* WP200 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.
Important note
Expanchem Fospak products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Expanchem Fospak endeavours to ensure that the technical information on this data sheet is correct at the time of printing, it is the customer's responsibility to satisfy himself, by checking with the company that this information is still current at the time of use, that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended. Because Expanchem Fospak has no control over the conditions of use of its products, all recommendations or suggestions regarding the use of these products are made without guarantee.

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