

# Fluidum PC320

High Efficiency liquid super plasticizer



## DESCRIPTION

**Fluidum PC320** is a high efficiency liquid super plasticizer which has been designed to improve the slump retaining properties of high workability concretes. It is also beneficial in improving cohesion of concrete, especially in applications where difficult or inaccessible pours are to be made. It is based on modified synthetic carboxylates polymers.

## TYPICAL PROPERTIES

<b>Appearance:</b>	Brownish viscous Liquid
<b>Specific Gravity:</b>	1.1 ± 0.02 at 25°C
<b>Air Entrainment:</b>	up to 1% max from control mix
<b>Chloride Content:</b>	Nil according to BS5075.
<b>ASTM C494 classification:</b>	Type F

## COMPATIBILITY

### With Cements:

**Fluidum PC320** can be used with all types of Portland cements. Natural Pozzolan, Ground Granulated Blast Furnace Slag (GGBFS), Micro Silica and Fly Ash. For use with other special cements we recommend you contact Arkaz Technical Service Department..

### With Other Admixtures:

**Fluidum PC320** performance will be affected by the presence of other chemical admixtures, therefore in such case it is necessary to assess performance under site conditions using actual materials to determine optimum performance. We recommend that all admixtures be added separately into the mixer.

## ADDITION RATES

### Range:

300 ml - 2500 ml per 100 kg cement  
0.3 – 2.5 % (v/w) by wt. of cement

The Maximum Dose can reach up to 3% for some concrete applications, but It is necessary therefore to assess performance under site conditions using actual materials to determine optimum performance and dosage.

As with most products of this type, the magnitude of the effect obtained with **Fluidum PC320**, is governed by the quantity of products used, W/C ratio, and the specific nature of the concrete and constituent materials.

For advice and assistance with trials we recommend that you contact Arkaz.

## EFFECTS OF OVERDOSING

The effects of overdosing **Fluidum PC320** are a function of the degree of overdose. When concrete has been produced, which has been overdosed, the level of workability will increase and may under certain situations lead to segregation of the mix. Setting time may also increase, especially if the overdosed concrete is subjected to low ambient temperatures, or if sulfate resisting or certain pozzolanic cements are employed.

## DISPENSING

It is preferable that **Fluidum PC320** should be introduced into the mixer by means of independent automatic dispensing equipment. Such equipment or advice on dispensing can be obtained from Arkaz.

## METHOD OF USE

**Fluidum PC320** is supplied ready for use. When producing high workability concrete or concrete of low W/C ratio it is recommended that **Fluidum PC320** be added in its supplied form to the batching water prior to addition of the cementitious component.

Addition of any other chemical admixture should be undertaken separately.

## PACKAGING

**Fluidum PC320** is supplied in 210 non-returnable drums. Alternatively, 1,000-liter totes and bulk deliveries can be arranged.

## HEALTH AND SAFETY

For more safety information you can check the MSDS or contact Arkaz technical department.

## STORAGE & SHELF LIFE

**Fluidum PC320** should preferably be stored away from extremes of cold or heat. Always keep product in shaded storage.

Storage Life in Manufacturer's Drums:  
12 months from date of manufacture.

Storage Life in Bulk Storage:  
12 months from date of delivery.

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## TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation. Please contact us via our website [arkaz.com](http://arkaz.com)

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