

# Fluidum PC317

High Efficiency Liquid Super Plasticizer  
ASTM C494 Type F and BS EN 934-2

## DESCRIPTION

**Fluidum PC317** 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

**Appearance:** Brownish Viscous Liquid  
**Specific Gravity:** 1.1 at 25°C  
**Air Entrainment:** up to 1% max from Control Mix.  
**Chloride Content:** Nil according to BS 5075.

## COMPATIBILITY

### With Cements:

**Fluidum PC317** can be used with most types of Portland cements. For use with special cements, we recommend you contact Arkaz.

### With Other Admixtures:

**Fluidum PC317** should not be premixed under any circumstances with other admixtures. The performance of the product will be affected by the presence of other chemical admixtures. We recommend that all admixtures be added separately into the mix.

## ADDITION RATES

### Range:

300 ml - 3000 ml per 100 kg cement  
0.3%-3% (v/w) by wt. of cement

As with most products of this type the magnitude of the effect obtained with **Fluidum PC317**, is governed by the quantity of product used, w/c ratio, and the specific nature of the concrete and constituent materials.

It is necessary therefore to assess performance under site conditions using actual materials to determine optimum performance and dosage.

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

## EFFECTS OF OVERDOSING

The effects of overdosing **Fluidum PC317** 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 PC317** 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 PC317** is supplied ready for use. When producing high workability concrete or concrete of low W/C ratio it is recommended that **Fluidum PC317** 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 PC317** is supplied in 210 non-returnable drums. Alternatively, 1,000 liters totes and bulk deliveries can be arranged.

## HEALTH AND SAFETY

For more Safety information you can check Product Material Safety Data Sheet, send an email to [ConcreteDoctor@arkaz.com](mailto:ConcreteDoctor@arkaz.com) or Contact Arkaz Technical Department.

## STORAGE & SHELF LIFE

**Fluidum PC317** 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.

### 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:  
concretedoctor@arkaz.com

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