

# Fluidum PC603



High Efficiency Liquid Superplasticizer for concrete combining both enhanced Workability Retention and Rheology performance

## DESCRIPTION

**Fluidum PC603** a high efficiency liquid super plasticizer which has been designed to impart exceptional rheological properties to fresh concrete. It improves considerably the placing and finishing of concrete and enhances the ease of concrete pumping for all construction activities. It is based on modified synthetic polycarboxylates polymers. **Fluidum PC603** is recommended to produce concrete requiring low viscosity, long workability retention and high compressive strength.

## TYPICAL PROPERTIES

<b>Appearance:</b>	Brownish viscous Liquid
<b>Specific Gravity:</b>	1.085 ± 0.02 at 25°C
<b>Chloride Content:</b>	Nil according to BS5075
<b>ASTM C494 classification:</b>	Type G

## COMPATIBILITY

### With Cements:

**Fluidum PC603** can be used with most types of Portland cements as well as Pozzolan Cements, Ground Granulated Blast Furnace Slag (GGBFS), Micro Silica and Fly Ash. For use with other special cements, we recommend you contact Arkaz Technical Department.

### With Other Admixtures:

**Fluidum PC603** performance 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 PC603** is governed by the quantity of product used, W/B 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 PC603** 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 PC603** 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 PC603** is supplied ready for use. When producing high workability concrete or concrete of low W/C ratio it is recommended that **Fluidum PC603** 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 PC603** 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 PC603** 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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