

# Centrament P4 (Formerly Known As MegaFlow P4)

## Water Reducing and Set Retarding Plasticising Admixture.

### Description

**Centrament P4** is liquid, plasticising, water reducing and retarding concrete admixture based on a high grade modified lignosulphonic acid derivative. **Centrament P4** is formulated from carefully selected raw materials and is manufactured under controlled conditions to give a consistent product.

### Standards

ASTM C494, Type B and D, BSEN 934-2

### Advantages

- Good slump retention even at higher temperatures
- Good workability improvement to most of concrete mixes
- Increases strength due to water reduction
- Effective in achieving cement reduction
- Durable concrete may be achieved
- Extended setting time at high temperatures

### Application

#### Areas of application

**Centrament P4** is used to produce easily workable and dense concrete for all types of ready-mixed concrete, tunnels, runways, canals, reservoirs and marine structures, etc. It can also be used as waterproofer to reduce permeability of concrete.

#### Compatability

**Centrament P4** can be used with all types of cements and cementitious materials like fly ash, GGBS, micro silica, etc. **Centrament P4** should not be premixed with other admixtures.

#### Dosage

Recommended dosage is 0.5 - 1.5% by weight of cementitious material. Higher dosage can be used after verification by conducting lab and site trials. Consult MC for optimum dosage and effect on properties such as strength, setting time, etc.

#### Effects of Overdosing

Overdosing may result in higher workability and delay in setting. If intentionally or accidentally, dosage used is above the recommended limit, ensure that the stripping time of formwork is extended accordingly. In such cases, provided the concrete is properly cured, the ultimate strength will generally be higher than the regular concrete.

The effects of overdosing are increased when sulphate resistant cement is used in the concrete mixes because of the chemical nature of the cement as compared to that of OPC

#### Dispensing

**Centrament P4** should be directly dispensed into the concrete mixer together with the mixing water.

## Typical Properties at 25°C

Property	Test Method	Value
Specific Gravity	ASTM C494	1.16 +/- 0.02
Component	-	Single
Form	-	Liquid
Colour	-	Dark Brown
Air Entrainment	-	Up to 1% over Control mix
Chloride Content	BSEN 480-10	Nil to BSEN 934-2
PH	ASTM C494	7 - 9

## General Information

Package Size	20 ltr, 200 ltr, 1000 ltr and Bulk
Shelf Life	12 months from date of manufacture when stored under warehouse conditions
Cleaning	Clean all equipments and tools with water immediately after use

## Health and Safety

PPE's	Gloves, goggles and suitable mask must be worn.
Precaution	Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately.
Hazard	Regarded as non-hazardous for transportation.
Disposal	Do not reuse containers. To be disposed off as per local rules and regulations.
Additional Information	Refer MSDS. (Available on request.)

## Technical Support

MC Technical Services are available on request for on site support to assist in the correct use of its products.

### NOTE:

It is the customer's responsibility to satisfy themselves by checking with the company whether information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current data sheets. However, MC-Bauchemie does not warrant or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendations relating to application and end use are given in good faith. The products are guaranteed against any manufacturing defects and are sold subject to MC- Bauchemie's standard terms and conditions of sale.