

# Creative ConFlow-100

Polycarboxylated High Range Super plasticiser

## DESCRIPTION

Creative ConFlow-100 is a high performance concrete superplasticiser based on modified polycarboxylate ether. Having unique carboxylic ether polymer with long lateral chains, it is an effective cement dispersant and high range water reducer as compared to conventional superplasticisers.

## STANDARDS

ASTM C494 Type F & G, BSEN 934-2

## SCOPE OF USE

Creative ConFlow-100 can be used for concrete containing GGBS, micro silica, fly ash, etc. It is a cost-effective solution for ready-mix concrete where superior slump retention is required. Extremely useful in high fines concrete, hot weather concrete, etc.



## TYPICAL PROPERTIES AT 25°C

PROPERTY	TEST METHOD	VALUE
Component		Single
Form		Liquid
Colour		Opaque
Specific Gravity	ASTM C494	1.08 +/- 0.01
Chloride Content	BSEN 480-10	Nil to BSEN 934-2
pH	ASTM C494	4.5 - 7

## KEY ADVANTAGES

- High strength concrete with low water content
- Improved surface finish
- Good slump retention for longer time
- Lower permeability, better resistance to carbonation
- Superior performance than normal superplasticisers
- Increased flexural strength
- High workability with lower water content

## COMPATIBILITY

Creative ConFlow-100 can be used with all types of cements and cementitious materials like fly ash, GGBS, micro silica etc. It should not be premixed with other admixtures. It is not compatible with naphthalene based admixtures.

## PACK SIZE

5 liter, 20 liter, 200 liter



## DOSAGE

Recommended dosage is 0.5-2% by weight of cementitious material. Higher dosage can be used after verification of performance by conducting lab and site trials. Optimum dosage of **Creative ConFlow-100** and effect on concrete properties such as workability, strength, setting time, etc. are best assessed after preliminary tests on site using the actual materials of mixes under consideration.

## EFFECT OF OVERDOSING

Overdosing may result in higher workability and delay in setting. In such cases, The concrete is needed to cure properly, then the ultimate strength will generally be higher than the regular expected strength.

## GENERAL INFORMATION

Shelf Life	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/ humidity may reduce shelf life.
Cleaning	Clean all equipment and tools with water immediately after use.

## DISPENSING

**Creative ConFlow-100** should be dispensed into the concrete mixer together with the mixing water.

## HEALTH AND SAFETY

PPE's	Gloves, goggles and suitable mask must be worn.
Precautions	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 SERVICE

Creative Chemical Company technical services are available on request for onsite support to assist in the correct use of its products.



**Creative Chemical Vietnam Co. Ltd.**

No-15, Street-10A, Bien Hoa Industrial Zone 1, Bien Hoa City, Dong Nai, Vietnam  
Phone: (+84) 251 8877 400, (+84) 61 3836 125, Email: [info@creativechemical.net](mailto:info@creativechemical.net), Web: [creativechemical.net](http://creativechemical.net)

Creative Chemical products are produced with ISO 9001:2015 standard terms and conditions. So it's customer responsibility to maintain and follow up the TDS and weather forecast carefully. We can not guarantee the application and end use as it depends on various conditions and weather.