

# MC-Centrament Retard 100

Retarding admixture, long setting time for roller compacted concrete.

## PRODUCT PROPERTIES:

- Prolong setting time for concrete mix.
- Reduce the amount of mortar connections in the concrete block.
- Increase cement effective.
- Reduce the rate of hydrolysis of cement, prevent the risk of cracking.
- Increase ultimate strength and durability of concrete in all weather conditions.
- Increase condensation of roller compacted concrete.

## AREAS OF APPLICATION:

- Roller compacted concrete for hydropower dam.
- Structure concrete, block concrete in hot weather conditions and request prolong setting time.
- Production mass concrete and hydraulic concrete.
- Concrete have high durable.

## APPLICATION NOTES:

- **MC-Centrament Retard 100** use to production roller compacted concrete and mass concrete.
- Long transportation time from mixing place to construction site.
- It can be added directly to the gauging water prior to its addition to the dry mixed aggregates or simultaneously with the gauging water at the batching plant.
- Trial mixes are recommended to establish exact dosage rates required to suit individual requirements. Significant overdosage will result in increased setting time of the concrete. However, provided concrete is cured effectively, ultimate strength and properties will not be affected.
- We can supply accurate dispensing equipment upon request.
- Use an appropriate mixer and do not mix by hand. If assistance is required, please contact our Technical Service Department.
- **MC-Centrament Retard 100** can be combined with other products but they have to be added separately to the concrete mix.
- **MC-Centrament Retard 100** is compatible to all standard cement types as well as sulfate resistant cement.
- **MC-Centrament Retard 100** does not contain any hazardous substances. It is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc.
- Avoid contact with foodstuffs and utensils. Avoid prolonged skin contact. In the event of contamination, wash thoroughly with water. If the eyes or mouth are affected, wash with clean water and obtain medical attention immediately.

### MC-BIFI BAUCHEMIE JSC.

**Ha Noi:** 814/3 Lang Str., Lang Thuong Wd., Dong Da Dist., Hanoi City

**Da Nang:** 91 Le Van Duyet Str., Nai Hien Dong Wd., Son Tra Dist., Da Nang City

**HCMC:** No. Y13, Str. 29, Phuoc Kien A RLA, Phuoc Kien Commune, Nha Be Dist., HCMC

**Email:** info@mcbifi-bauchemie.vn | **Website:** www.mcbifi-bauchemie.com

- Tel: (+84) 24 3775 5312

- Tel: (+84) 23 6355 6869

- Tel: (+84) 28 3620 8665

Page 1 | 2

- Fax: (+84) 24 3775 9607

- Fax: (+84) 23 6355 6969

- Fax: (+84) 28 3620 8685

**TECHNICAL  
DATA:**

| Characteristic        | Unit              | Value            | Comments             |
|-----------------------|-------------------|------------------|----------------------|
| Density               | g/cm <sup>3</sup> | 1.15 ± 0.05      |                      |
| Recommended dosage    | Litre             | 0.8 – 2.5        | per 100 kg of binder |
| Max. Chloride content | %                 | per weight < 0.1 |                      |

**PRODUCT  
CHARACTERISTICS:**

|                  |  |
|------------------|--|
| Standard         | Complies with ASTM C494 & TCVN 8826 Type B     |
| Consistency      | Liquid   |
| Expiry           | 8 months                                       |
| Form of delivery | 200 L drums<br>1000 L IBC tanks<br>Tank trucks |

Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

Color: Admixture's color can be changed due to the reaction between polymer component within admixture's composition with UV from sunlight. This phenomenon does not affect to admixture's quality in its shelf-life. We recommend users to store product into covered area to protect from direct sunlight in order to avoid mentioned changing.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition **11/23**. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

**MC-BIFI BAUCHEMIE JSC.**

**Ha Noi:** 814/3 Lang Str., Lang Thuong Wd., Dong Da Dist., Hanoi City

**Da Nang:** 91 Le Van Duyet Str., Nai Hien Dong Wd., Son Tra Dist., Da Nang City

**HCMC:** No. Y13, Str. 29, Phuoc Kien A RLA, Phuoc Kien Commune, Nha Be Dist., HCMC

**Email:** info@mcbifi-bauchemie.vn | **Website:** www.mcbifi-bauchemie.com

- Tel: (+84) 24 3775 5312 - Fax: (+84) 24 3775 9607

- Tel: (+84) 23 6355 6869 - Fax: (+84) 23 6355 6969

- Tel: (+84) 28 3620 8665 - Fax: (+84) 28 3620 8685