

Apr 2023 Version

# BestFlow R334

Super-plasticize and slump retention concrete admixture

## Description:

- BestFlow R334 is used as a highly effective superplasticizer with long slump retention, suitable for high-strength concrete in the hot climate conditions in Viet Nam.
- BestFlow R334 complies with TCVN 8826-2011 Type D&G.

## Application: BestFlow R334 is used for this concrete:

- Ready-mixed concrete, long-distance transport concrete, long-time construction.
- Mass concrete, concrete working in hot climate.
- Bored pile concrete, dense steel reinforcement concrete, high strength concrete ( $\geq 35$  MPa).

## Advantages: BestFlow R334 has the following outstanding features:

### As a superplasticizer:

- Substantial improvement in flowability of concrete without increased water/cement ratio.
- Long slump retention ( $\geq 4$  hours).
- Avoidance the risk of segregation of concrete mix in place.
- The increased plasticity of the concrete mixture makes it easier to work and vibrate...
- Reduced shrinkage.
- Suitability for climate conditions in Viet Nam.

### As a strength enhancer:

- Significant increase of early and final strength of concrete.
- Allow substantial cement reduction without altering slump and ultimate concrete strength.
- Shorter placing time and accelerated the progress of projects.
- Reduced expenses for curing concrete.

**Approvals:** Suitability for climate conditions in Viet Nam.

## SPECIFICATION

**Appearance:** Viscous liquid, light brown appearance.

**Chemicals base:** Polycarboxylate ester modifier.

**Density @ 25°C:**  $1.07 \pm 0.02$ .

**pH:**  $4.5 \pm 1.0$ .

**Dosage:**  $0.8 \div 1.2$  liter/100 kg cement.

**Optimal dosage:** 1.0 liter/100 kg cement. Could use at a higher dosage if a trial test has done before.

**Water reduction:**  $\geq 22\%$  (1.0 liter/ 100 kg cement)

**Shelf life:** 12 months from the date of manufacturing in unopened condition.

## BESTMIX CORPORATION

[www.bestmix.vn](http://www.bestmix.vn)

**HEAD OFFICE:**  
Lot D1, D1&N3 Rd., Nam Tan Uyen IP,  
Tan Uyen Town, Binh Duong Province.  
Tel: (027) 4365 3990 - 4365 3991  
Email: [info@bestmix.com.vn](mailto:info@bestmix.com.vn)

**HCMC OFFICE 1:**  
378-384 Cong Hoa Str., Ward 13,  
Tan Binh Dist., Ho Chi Minh City  
Tel: (028) 3810 7995 (7996, 7997)  
Email: [bm1@bestmix.com.vn](mailto:bm1@bestmix.com.vn)

**HCMC OFFICE 2:**  
23 Nguyen Huu Canh Str., Ward 22,  
Binh Thanh Dist., Ho Chi Minh City  
Tel: (028) 3899 0339 - 3899 0340  
Email: [bm2@bestmix.com.vn](mailto:bm2@bestmix.com.vn)

**NHA TRANG OFFICE:**  
989 Le Hong Phong Street,  
Phuoc Long Ward, Nha Trang City  
Tel: 090 545 3579  
Email: [bm3@bestmix.com.vn](mailto:bm3@bestmix.com.vn)

**CENTRAL BRANCH:**  
478B1 Dien Bien Phu Street,  
Thanh Khe District, Da Nang City  
Tel: (023) 6371 5299 - 6371 5399  
Email: [bm4@bestmix.com.vn](mailto:bm4@bestmix.com.vn)

**NORTHERN BRANCH:**  
TT6.2 - 65, Dai Kim Urban Area,  
Hoang Mai District, Ha Noi City  
Tel: (024) 3200 8234  
Email: [bm5@bestmix.com.vn](mailto:bm5@bestmix.com.vn)

**Storage condition:** Dry and cool place. Avoid frost and direct sun light.

**Packaging:** 210 litres/ drum, 1000 liters/ IBC tank or on request.

**Compatibility:** Compatible with the most common cement.

#### Dispensing:

- BestFlow R334 can be added directly to the pre-quantified water before being added to a dry concrete mixture or separately to the freshly mixed concrete.
- When added directly to wet concrete (pre-mixed with water), the plasticizing ability of BestFlow R334 will increase significantly and the minimum mixing time must reach 80 revolutions of the mixing tank (or mixing pad).
- Possible to combine with other concrete admixtures but must be quantified and put into concrete separately for each type. Must be conducted a trial in actual conditions on site before use.

#### Overdosing:

- When overdosed, its flowability will be increased (might be segregated to concrete mix), and setting time will be extended depending on the cement content and temperature. However, if proper curing must be ensured the physical performance of concrete and final strength will be not impaired.
- Notes : Due to the extension of setting and hardening time the curing must be done properly. Don't impact the steel reinforcement or framework during a set time of the concrete mixture.

#### Notice:

- Specific pre-mix testing is required for each use.
- Use mixers suitable for different types of mortar. The mortar should not be mixed by hand to ensure uniformity of the mixture.

#### Ref distribution:

It is possible to request a consultation for each specific use from the company's technical staff when required.

#### Health and Safety information:

- BestFlow R334 is non-flammable. PPEs must be worn when applying.
- BestFlow R334 could have an allergy to sensitive skin if they contact for a long time.
- If eyes or mouth are affected wash with clean water and go to medical attention immediately.
- Avoid contact with foodstuffs and utensils. Keep out of reach of the children.
- The disposal of products should comply with the local requirements on the environment.

#### Disclaimer:

*The technical information and application instructions in documents of BESTMIX are based on BESTMIX's current knowledge and practical experience. The information here only describes the general nature of the product, so users should test the product for each purpose. BESTMIX has the right to change the features of our product, user must always refer to the latest technology product.*

#### BESTMIX CORPORATION

www.bestmix.vn

**HEAD OFFICE:**  
Lot D1, D1&N3 Rd., Nam Tan Uyen IP,  
Tan Uyen Town, Binh Duong Province.  
Tel: (027) 4365 3990 - 4365 3991  
Email: info@bestmix.com.vn

**HCMC OFFICE 1:**  
378-384 Cong Hoa Str., Ward 13,  
Tan Binh Dist., Ho Chi Minh City  
Tel: (028) 3810 7995 (7996, 7997)  
Email: bm1@bestmix.com.vn

**HCMC OFFICE 2:**  
23 Nguyen Huu Canh Str., Ward 22,  
Binh Thanh Dist., Ho Chi Minh City  
Tel: (028) 3899 0339 - 3899 0340  
Email: bm2@bestmix.com.vn

**NHA TRANG OFFICE:**  
989 Le Hong Phong Street,  
Phuoc Long Ward, Nha Trang City  
Tel: 090 545 3579  
Email: bm3@bestmix.com.vn

**CENTRAL BRANCH:**  
478B1 Dien Bien Phu Street,  
Thanh Khe District, Da Nang City  
Tel: (023) 6371 5299 - 6371 5399  
Email: bm4@bestmix.com.vn

**NORTHERN BRANCH:**  
TT6.2 - 65, Dai Kim Urban Area,  
Hoang Mai District, Ha Noi City  
Tel: (024) 3200 8234  
Email: bm5@bestmix.com.vn



PHỤ GIA & HÓA CHẤT XÂY DỰNG BESTMIX® CONSTRUCTION CHEMICALS & ADMIXTURES  
PHỤ GIA BÉ TÔNG, XI MÀNG - HÓA CHẤT CHỐNG THẤM - Vữa RỘT RÍT KHÔNG CO NGÓT - NÉN SÀN - KẾT NỐI - TRÁM BÍT - SỬA CHỮA - BẢO VỆ AN THIÊN ★ CEMENT AID - CONCRETE ADMIXTURE - WATERPROOFING - GROUTING - FLOORING - BONDING - SEALING - REPAIRING - PROTECTING - FINISHING

## BESTMIX CORPORATION

www.bestmix.vn

### HEAD OFFICE:

Lot D1, D1&N3 Rd., Nam Tan Uyen IP,  
Tan Uyen Town, Binh Duong Province.  
Tel: (027) 4365 3990 - 4365 3991  
Email: info@bestmix.com.vn

### HCMC OFFICE 1:

378-384 Cong Hoa Str., Ward 13,  
Tan Binh Dist., Ho Chi Minh City  
Tel: (028) 3810 7995 (7996, 7997)  
Email: bm1@bestmix.com.vn

### HCMC OFFICE 2:

23 Nguyen Huu Canh Str., Ward 22,  
Binh Thanh Dist., Ho Chi Minh City  
Tel: (028) 3899 0339 - 3899 0340  
Email: bm2@bestmix.com.vn

### NHA TRANG OFFICE:

989 Le Hong Phong Street,  
Phuoc Long Ward, Nha Trang City  
Tel: 090 545 3579  
Email: bm3@bestmix.com.vn

### CENTRAL BRANCH:

478B1 Dien Bien Phu Street,  
Thanh Khe District, Da Nang City  
Tel: (023) 6371 5299 - 6371 5399  
Email: bm4@bestmix.com.vn

### NORTHERN BRANCH:

TT6.2 - 65, Dai Kim Urban Area,  
Hoang Mai District, Ha Noi City  
Tel: (024) 3200 8234  
Email: bm5@bestmix.com.vn