

ADVA[®] Flow-M

High range water-reducing admixture

Product Description

ADVA[®]Flow-M is a high range water-reducing admixture. It is a liquid which has been formulated by the manufacturer for use as received. ADVA Flow-M contains no added chloride. ADVA Flow-M is formulated to comply with Standard Specification for Chemical Admixtures for Concrete.

One litre weighs approximately 1.06kg ± 0.02kg.

Dispersion

ADVA Flow-M is a superior dispersing admixture having a marked capacity to disperse the cement agglomerates normally found in a cement-water suspension. The capability exceeds that of normal superplasticiser, resulting in lower dosages and better control.

Product Advantages

- ADVA Flow-M is a highly efficient dispersant producing high slump concrete at very low dosage with enhanced strength in all ages.
- It can be added to concrete mix water for rapid batch.
- It provides a superior water reduction with near neutral set time.
- ADVA Flow-M concrete, even at high slump, exhibits no significant segregation compared to concrete without a superplasticiser at the same slump.
- It finishes easily without stickiness, tearing or spotty set characteristics.

Uses

ADVA Flow-M produces concrete with extreme workability characteristics for high slump, flowing concrete. It also allows concrete to be produced with very low water-cement ratios at low or normal slumps.

ADVA Flow-M is ideal for use in any concrete where it is desired to keep the water-cement ratio to a minimum and still achieve the degree of workability necessary to provide easy placement and consolidation. ADVA Flow-M improves concrete performance, and is ideal for precast concrete and high early strength concrete. ADVA

Compatibility with Other Admixtures

Most Type A water reducers or Type D water-reducing retarders are compatible with ADVA Flow-M as long as they are separately added to the concrete. Caution should be exercised when using ADVA Flow-M together with a retarder, as excessive retardation can occur if the admixture dosages are too high. Pre-testing of the concrete should be performed to optimise dosages and addition times of these admixtures. The admixtures should not contact each other before they enter the concrete



Flow-M will also improve performance making it ideal for precast concrete and high early strength concrete.

Additional Rates

Addition rates of ADVA Flow-M can vary with type of application, but will normally range from 195 to 650mL / 100kg of cementitious materials. For best results, ADVA Flow-M should be added to the initial mix water. At a given water-cement ratio, the slump required for placement can be controlled by varying the addition rate. Should job site conditions require using more than recommended addition rates, please consult your local GCP representative.

Packaging

ADVA Flow-M is available in bulk or in 205L drums. ADVA Flow-M contains no flammable ingredients.

In storage, and for proper dispensing, ADVA Flow-M should be maintained at temperatures above 0°C.

Health and Safety

See ADVA Flow-M Material Safety Data Sheet or consult GCP Applied Technologies.

gcpat.my | For technical information: asia.enq@gcpat.com

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

ADVA is a trademark, which may be registered in the United States and/or other countries, of GCP Applied Technologies, Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2017 GCP Applied Technologies, Inc. All rights reserved.

GCP Applied Technologies Inc., 2325 Lakeview Parkway, Alpharetta, GA 30009, USA

GCP Applied Technologies (Malaysia) Sdn. Bhd, 7 Lorong CJ 1/1A, Off Jalan Balakong, 43200 Cheras Jaya, Kuala Lumpur, Malaysia

This document is only current as of the last updated date stated below and is valid only for use in Malaysia. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on www.gcpat.my. Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

Last Updated: 2022-11-24

gcpat.my/solutions/products/adva-high-range-water-reducers/adva-flow-m