

# MIRA<sup>®</sup> VN5

New generation mid-range water reducer

---

## Product Description

MIRA<sup>®</sup>VN5 is a high performance, new generation mid-range water reducer based on comb polymer technology. It is a ready-to-use liquid admixture with superior dispersing capacity for the cement particles in the concrete mix. MIRA<sup>®</sup> VN5 combines the benefits of normal and high range water reducers., resulting in better slump control and higher water reduction capability.

MIRA<sup>®</sup>VN5 is formulated to comply with AS 1478-2000 as a Type MWR. One litre weighs approximately 1.065kg ± 0.02kg.

## Applications

MIRA<sup>®</sup>VN5 enables better control of concrete for middle to high slump and low to middle grade concrete strength requirements. MIRA<sup>®</sup>VN5 is ideal for use in concrete where it is desired to keep the water-cement ratio to a lower level and still achieve the degree of workability necessary to provide easy placement and consolidation.

## Product Advantages

- Formulated to use with manufactured sand concrete mix.
- Provides long slump life at middle to high slump with controlled set times.
- Finishes easily without stickiness, tearing or spotty set characteristics.
- Less susceptible to segregation.
- Highly efficient, producing desired slump concrete with enhanced strength.
- Quick and easy application to the concrete mix water for rapid batching.

## Compatibility with Other Admixtures

MIRA<sup>®</sup>VN5, when used in combination with an air entrainer, can have a synergistic effect, and so increase the air content. Therefore it is highly recommended that “truck trials” are undertaken to achieve the specified air content. Please consult your local GCP representative for design guidelines. MIRA<sup>®</sup>VN5 can be used in conjunction with ADVA<sup>®</sup> range of high range water reducers, but not with DAREX<sup>®</sup>Super 20 or DARACEM<sup>®</sup>19. Each admixture should be separately added to the mix.

## Packaging & Storage

MIRA<sup>®</sup>VN5 is available in bulk and 205L drums. MIRA<sup>®</sup>VN5 contains no flammable ingredients. It will freeze at 0 °C but will return to full strength after thawing and thorough mechanical agitation.



## Addition Rates

Addition rates of MIRA®VN5 can vary with type of application. Depending on the application, dosage rates can range from 400 to 800mL / 100kg of cementitious material. For best results, MIRA®VN5 should be added with the mix water. At a given watercement ratio, the slump required for placement can be controlled by varying the addition rate. Should projects require using more than recommended addition rates, please consult your local GCP representative.

## Dispensing Equipment

Please contact your local GCP representative for further information regarding the dispensing equipment for this product.

## Health and Safety

See MIRA®VN5 Material Safety Data Sheet or consult GCP Applied Technologies.

[gcpat.com.au](http://gcpat.com.au) | Australia customer service: 1800 855 525

Australia 1800 855 525 New Zealand +64 9 448 1146 China Mainland +86 21 3158 2888 Hong Kong +852 2675 7898 India: Chennai +91 44 6624 2308 Manesar +91 124 488 5900 Indonesia +62 21 893 4260 Japan +81 3 5226 0231 Korea +82 32 820 0800 Malaysia +60 3 9074 6133 Philippines +63 49 549 7373 Singapore +65 6265 3033 Thailand +66 2 709 4470 Vietnam +84 8 3710 6168

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.

MIRA, ADVA, DAREX, and DARACEM are trademarks, 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 2018 GCP Applied Technologies, Inc. All rights reserved.

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

GCP Australia Pty. Ltd., 14 Colebard Street West, Archerfield, Brisbane, Queensland 4108, Australia

This document is only current as of the last updated date stated below and is valid only for use in Australia. 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.com.au](http://www.gcpat.com.au). 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: 2023-07-06

[gcpat.com.au/solutions/products/mira-mid-range-water-reducers/mira-vn5](http://gcpat.com.au/solutions/products/mira-mid-range-water-reducers/mira-vn5)