TECHNICAL DATA SHEET

Chryso Concrete Solutions

09/10/2026

MIRA® VL 10

Mid-Range Water Reducing Admixture

DESCRIPTION

MIRA® VL 10 is an aqueous solution of complex polycarboxylate compounds which contribute uniquely to concrete's final properties of strength and durability. Effective through a wide dosage range, concrete with MIRA® VL 10 displays significant advantages compared to concrete using traditional admixtures. MIRA® VL 10 uses the latest innovation in polymer technology to produce minimal slump loss. MIRA® VL 10 contains no added chlorides and no TEA.

MIRA® VL 10 is manufactured under rigid controls to ensure uniform and predictable performance. MIRA® VL 10 is a Mid-range Water-Reducing Admixture (MWR) designed to improve concrete quality by providing extended slump life (slump retention) for critical pre-mixed and precast applications. MIRA® VL 10 is part of the MIRA VL series of admixtures from Chryso that combines the benefits of placement flexibility and durability in the performance of concrete. MIRA® VL 10 complies with AS 1478.1-2000, Type MWR.

BENEFITS

- Long slump life at normal set up to 2 hours depending on temperature
- Superior strength performance; allows lower water-cement ratio concrete production with more hydration
- Controlled set times
- Overall improved quality of concrete with less potential to crack and improved abrasion resistance
- Reduced placement effort
- Superior pumpability
- High workability
- No additional retardation

APPLICATION

- Concrete containing fibres
- SCM mixes (Supplementary Cementitious Materials)
- Green concrete, pumped concrete and concrete used in tight locations
- Precast concrete

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Green
Lifetime	12 months
Specific gravity (kg)	1,045 ± 0,020
pH	5,00 ± 0,50

PACKAGING

- Bulk
- IBC 1000L
- 205 L Drum
- Pail

METHOD OF USE

Dosage :

Dosage rates MIRA® VL 10 of is typically 300 to 600 ml / 100 kg of total cementitious material. Nominal dosage rate for MIRA® VL 10 is 400 ml / 100 kg to 600 ml / 100 kg of total cementitious material. MIRA® VL 10 is effective through a wide range of dose rates to provide control in concrete placement and finishing times. Higher dose rates can be selected depending on the mix components and job conditions.

Equipment :

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

COMPATIBILITY

- Air-entraining admixture such as Chryso®Air
- High-range water reduers such as Chryso®Adva
- Retarders such as Chryso® Daramene and accelerators such as Chryso® Daraset, Chryso® Daraccel, POLARSET®
- When using admixtures in combination, each admixture should be added separately to the mix

PRECAUTIONS

MIRA® VL 10 contains no flammable ingredients. It will freeze at 0ºC but will return to full strength after thawing and thorough mechanical agitation.

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However,it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be con ducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs.

14 Colebard Street West, Archerfield QLD 4108, Australia Tel.:AU: 1800 855 525 | NZ: 0800 552 235

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SAFETY

MIRA® VL 10 is a non-hazardous chemical.
Prior to any use, please read carefully the Safety Data Sheet (SDS).

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