

MIRA® VL 10

Mid-Range Water Reducing Admixture

Chryso
Concrete
Solutions

21/10/2025

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 AEA® and LS AEA®
- High-range water reducers such as ADVA®
- Retarders such as DARAMENE® and accelerators such as DARASET®, 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 0°C but will return to full strength after thawing and thorough mechanical agitation.

SAFETY

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