TECHNICAL DATA SHEET

Chryso Concrete Solutions

06/10/2026

# ADVA® 650

High Range Water Reducing Admixture

## DESCRIPTION

ADVA® 650 is the latest technology in the development of high range water-reducing superplasticizing admixtures. It is an innovative, versatile, third generation polycarboxylic ether polymer. ADVA® 650 is developed for the premix and precast to maximise performance through a wide range of concrete strengths. ADVA® 650 does not contain added chloride or triethanolamine. ADVA® 650 complies with AS 1478.1-2000, Type HWR.

## BENEFITS

- No need for other superplasticizers on specific applications
- Produces very high slump concrete at low water-cement ratios without segregation and loss of strength
- High early strength development with reduced heat energy for curing
- Excellent slump retention properties without retardation
- Can be added at the batch plant, no need for on-site addition
- Requires less vibration for ease of placement in reinforced concrete
- Improves surface and off form finishes

## APPLICATION

- Low water-cement ratio concrete with high placement slumps
- Tremie and pump mixes that require extended slump life
- Precast and prestressed applications for high early strengths and reduced heat energy for curing

## INDICATIVE INFORMATION

| | |
|---|---|
| **Product Nature** | Liquid |
| **Color** | Yellow |
| **Lifetime** | 12 months |
| **Specific gravity (kg)** | 1,070 ± 0,005 |
| **pH** | 5,50 ± 0,50 |

## PACKAGING

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

## SAFETY

Prior to any use, please read carefully the Safety Data Sheet (SDS).

## METHOD OF USE

**Dosage :**

Dosage rates of ADVA® 650 can vary depending on the application. However, a typical dose range is between 400 and 1,000 ml / 100 kg total cementitious materials. Higher dose rates can be considered for advanced performance. For best results, ADVA® 650 should be added to the mix water during the batching process. At a given water-cement ratio, the slump can be controlled by varying the dose rates.

It is recommended that trials are conducted beforehand to determine the optimum dose range to suit your application. If further assistance is required, please consult your local Chryso representative.

**Equipment :**

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

## COMPATIBILITY

- Compatible with V-MAR® 3 and most of the concrete admixtures
- When using admixtures in combination, each admixture should be added separately to the mix

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.

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