TECHNICAL DATA SHEET

Chryso Concrete Solutions

06/10/2026

ADVA® 435

High Range Water Reducing Admixture

DESCRIPTION

ADVA® 435 is the latest technology in the development of high range water-reducing superplasticizing admixtures. ADVA® 435 is an innovative, versatile and third-generation polycarboxylic ether polymer.

ADVA® 435 is developed for the premix and precast industries to maximise performance through a wide range of concrete strengths. ADVA® 435 does not contain added chloride. ADVA® 435 complies with 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 ratios 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
- Mixes containing SCM (Supplementary Cementitious Materials)

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Yellow
Lifetime	12 months
Specific gravity (kg)	1,080 ± 1,005
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® 435 can vary depending on the application, however a typical dose range would be between 400 to 1,200 ml / 100 kg total cementitious materials. For best results, ADVA® 435 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 dosage rates. It is Chryso's recommendation 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

- Portland cements ; fly ash, blast furnace slag silica fume, and limestone blends
- Compatible with V-MAR® 3 and most of the Chryso admixtures
- When using admixtures in combination, each admixture should be added separately to the mix

PRECAUTIONS

ADVA® 435 should be thoroughly agitated or stirred prior to its use.

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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