TECHNICAL DATA SHEET

Chryso Concrete Solutions

06/10/2026

ADVA® 850

High Range Water Reducing Admixture

DESCRIPTION

ADVA® 850 is the latest technology in the development of high range water-reducing superplasticising admixtures. It is an innovative versatile polycarboxylic polymer developed for superior cement dispersion. ADVA® 850 is designed to assist in producing high performance concrete that has lower plastic viscosity & lower yield stress. ADVA® 850 does not contain added chloride or triethanolamine. ADVA® 850 complies with AS 1478.1-2000, type HWR.

BENEFITS

- Superior water reduction
- Slump retention with no retardation
- Production of lower viscosity concrete
- High compression strengths at all ages
- Improved surface and off form finishes
- Reduced vibration for placement in reinforced concrete
- Easy addition during batching process
- Eliminates the need for other superplasticisers or on-site addition

APPLICATION

- SCC type concrete
- High strength concrete
- Low water-cement ratios with high placement slumps
- Tremie and pump mixes that require extended slump life

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Yellow
Lifetime	12 months
Specific gravity (kg)	1,080 ± 0,010
pH	5,50 ± 1,00

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® 850 can vary depending on the application. A typical dose range would be between 200 to 600 ml / 100 kg total cementitious materials. Higher dose rates can be considered for advanced performance. For best results, ADVA® 850 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. 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

- Air-entrainers such as Chryso®Air
- Portland cements ; fly ash, blast furnace slag silica fume and limestone blends
- Most Chryso range of concrete admixture and V-MAR®3
- 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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