TECHNICAL DATA SHEET

Chryso Concrete Solutions

07/10/2026

ADVA® LS 400

High Range Water Reducing Admixture

DESCRIPTION

ADVA® LS 400 is the latest technology in the development of high range water-reducing superplasticising admixtures. It is an innovative versatile polycarboxylic polymer developed for the premix industry to maximise performance through a wide range of concrete strengths. ADVA® LS 400 is designed to assist in producing high performance concrete that has lower plastic viscosity & lower yield stress. These attributes assist in enabling concrete to be pumped easier and it is "less sticky" than concrete made with conventional superplasticisers. ADVA® LS 400 does not contain added chloride or triethanolamine. ADVA® LS 400 complies with AS 1478.1-2000, Type HWR.

BENEFITS

- No need for other superplasticizers on specific applications
- Produces very high slump concrete without segregation and loss of strength
- High water cut and early strength development, well suited for precast
- 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
- Exhibits superior water reduction
- Improves surface and off form finishes

APPLICATION

- 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)	1,060 ± 0,020
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® LS 400 can vary depending on the application, however a typical dose range would be between 400 to 800 ml / 100 kg total cementitious materials. Higher dose rates can be considered for advanced performance. For best results, ADVA® LS 400 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 range of 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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