TECHNICAL DATA SHEET

Chryso Concrete Solutions

07/10/2026

ADVA® CAST 700

High Range Water Reducing Admixture

DESCRIPTION

ADVA® CAST 700 is a third generation polycarboxylic high range water-reducing admixture that is specially designed for producing superior high early strength concrete in precast applications.

ADVA® CAST 700 does not contain added chloride or triethanolamine. ADVA® CAST 700 complies with AS 1478.1-2000, Type HWR.

BENEFITS

- Slump retention
- High workability
- Superior surface finish without stickiness, tearing or spotty set
- Superior water reduction with up to 40% water reduction possibility
- Optimise precast concrete production, may eliminate the need for heat curing to achieve high early strength concrete

APPLICATION

- Low water-cement ratios in low to high slump ranges
- Precast structural elements

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Yellow
Lifetime	12 months
Specific gravity (kg)	1,070 ± 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® CAST 700 can vary with type of applications, but normally ranges from 200 to 1,000 ml / 100 kg of cementitious material. In most instances, the dose of 300 to 800 ml / 100 kg of cementitious material is sufficient. Should conditions require using more than recommended dose rates, please consult your local Chryso representative.

Equipment :

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

COMPATIBILITY

- Water-reducers such as Chryso®WRDA
- Speciality admixtures like accelerators, DCI® corrosion inhibitor, Chryso®Eclipse shrinkage-reducing admixture, and V-MAR® 3 rheology-modifying admixture
- When using admixtures in combination, each admixture should be added separately to the mix

PRECAUTIONS

- ADVA® CAST 700 contains no flammable ingredients
- ADVA® CAST 700 will begin to freeze at approximately 0ºC, but will return to full strength after thawing and thorough agitation
- In storage, and for proper dispensing, ADVA® CAST 700 should be maintained at temperatures above 0ºC

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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