

# ADVA® 690

High Range Water Reducing Admixture

## DESCRIPTION

ADVA® 690 is the latest technology in the development of high range water-reducing superplasticizing admixtures. ADVA® 690 is an innovative, versatile and third-generation polycarboxylic ether polymer.

ADVA® 690 is developed for the premix and precast industries to maximise performance through a wide range of concrete strengths. ADVA® 690 contains no added Chlorides and no TEA. ADVA® 690 complies with AS 1478.1-2000, Type HWR.

## BENEFITS

- Extremely versatile, developed for concrete with wide range of strengths, no need for other superplasticizers on specific applications
- 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)	1,060 ± 0,007
pH	5,55 ± 0,75

## PACKAGING

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

## METHOD OF USE

### Dosage :

Dosage rates of ADVA® 690 can vary depending on the application. However, a typical dose range is between 400 and 1,000 ml / 100 kg total cementitious materials. At a given water-cement ratio, the slump can be controlled by varying the dosage 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 Chryso concrete admixtures
- When using admixtures in combination, each admixture should be added separately to the mix

## SAFETY

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