

# DARASET® AC 50

Hardening accelerating admixture

## DESCRIPTION

DARASET® AC 50 is a Chloride-free accelerating admixture for concrete which accelerates cement hydration resulting in shortened setting times. DARASET® AC 50 is an aqueous solution of organic and inorganic compounds.

DARASET® AC 50 is manufactured under controlled conditions to produce a consistent product which ensures uniform and predictable performance when used. DARASET® AC 50 complies with AS 1478.1-2000, Type Ac.

## BENEFITS

- Chloride-free accelerator
- Provides accelerated finishing times at low temperature
- Reduces setting time i.e. up to 2 hours when concrete poured at 10°C
- Speeds up finishing operations, form work removal and mould turn-around, optimising costs

## APPLICATION

- Prestressed/Precast concrete
- Winter concrete when accelerated set times are required
- Any concrete where earlier use of the concrete is required

## INDICATIVE INFORMATION

Product Nature	Liquid
Color	Brown
Lifetime	12 months
Specific gravity (kg)	1,450 ± 0,010
pH	9,00 ± 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 :

DARASET® AC 50 may be used from 500 to 2,000 ml / 100 kg total cementitious material. The exact dosage depends on the specific job conditions, on local materials, on the degree of set acceleration required and on the type of water reducer used. Typical dose rate is 500 to 1,500 ml / 100 kg of cementitious material.

Trial mixes should be conducted to determine specific dose rates required for the desired performance. Triethanolamine is present at less than 0.025% for a dose rate of 100 ml / 100 kg total cementitious material in a concrete mix.

### Equipment :

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

## COMPATIBILITY

- Air-entrainers such as Chryso® Air
- Water-reducers such as Chryso®WRDA
- Mid-range water reducers such as Chryso®Mira
- High-range water reducers such as Chryso®Adva
- When using admixtures in combination, each admixture should be added separately to the mix

## PRECAUTIONS

Protect from freezing. Once frozen, the product should be thawed out slowly and remixed thoroughly prior to use.