

TYTRO® WR 177

High Range Water Reducing Admixture

DESCRIPTION

TYTRO® WR 177 is the latest technology in the development of high range water-reducing superplasticizing admixtures. It is an innovative, versatile and third-generation polycarboxylic ether polymer. TYTRO® WR 177 is developed for shotcrete to

maximise performance through a wide range of shotcrete strengths. TYTRO® WR 177 does not contain added chloride or triethanolamine. TYTRO® WR 177 complies with AS 1478.1-2000, Type HWR.

BENEFITS

- No need for other superplasticizers
- Easy addition during batch process
- Superior slump retention without retardation
- Reduction of heat energy curing to achieve high early strengths

APPLICATION

- Wet mix shotcrete
- Low water-cement ratio concrete 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)	1,065 ± 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 TYTRO® WR 177 can vary depending on the application. However, a typical dose range is between 300 to 800 ml /100 kg total cementitious materials. Higher dose rates can be considered for advanced performance. For best results, TYTRO® WR 177 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. 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

- Compatible with TYTRO® range admixtures
- When using admixtures in combination, each admixture should be added separately to the mix