

TYTRO® WR 172

New Generation, high range water reducing/
superplasticizing admixture

DESCRIPTION

TYTRO® WR 172 is the latest technology in the development of high range water-reducing superplasticising admixtures. It is an innovative, versatile, third-generation polycarboxylic ether polymer.

TYTRO® WR 172 is developed for shotcrete to maximise performance through a wide range of shotcrete strengths. It contains no added Chlorides and no TEA. TYTRO® WR 172 complies with AS 1478.1-2000, type HWR.

BENEFITS

- Extremely versatile superplasticiser
- For shotcrete with a wide range of strengths, no other superplasticisers needed
- Very high slump shotcrete produced at low water cement ratios without segregation or loss of strength
- Superior slump retention without retardation
- Reduction of steam or heat energy curing to achieve high early strengths
- Can be added at the batch plant during batching process, no on-site addition needed

APPLICATION

- Shotcrete with low water-cement ratios
- Wet mix shotcrete to produce high early strength with reduced heat energy
- High flow shotcrete for tremie and pump mixes for extended slump life

INDICATIVE INFORMATION

Product Nature	liquid
Color	Yellow
Lifetime	12 months
Specific gravity (kg)	1,075 ± 0,050
pH	5,50 ± 0,50

PACKAGING

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

METHOD OF USE

Dosage :

Dosage rates of TYTRO® WR 172 can vary depending on the application. However, a typical dose range would be between 400 and 1,200 ml / 100 kg total cementitious materials. Higher dose rates can be considered for advanced performance. For best results TYTRO® WR 172 should be added to the mix water during the batching process. At a given water to cement ratio, the slump can be controlled by varying the dose rates. 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
- TYTRO® range of shotcrete admixtures
- TYTRO® RM 475 to produce high quality, water-tolerant shotcretes
- 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).