

TYTRO® SA 535

Alkali-free shotcrete accelerators

Chryso
Concrete
Solutions

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DESCRIPTION

TYTRO® SA 535 is a high-performance, alkali-free, easy flow and ready to use set accelerator specifically formulated to provide

high early strength at low dosage rates and improve productivity by shortening the time of setting without compromising long-term strength and durability.

BENEFITS

- Efficient dosage rate, highly active formulation for lowest dosages
- Reduced excavation downtime with increased adhesion and faster setting
- Improved strength and increased early age strength development without compromising later age strength
- Reduced cycle times with quicker setting action and increased layer thickness for overhead work
- Minimum material waste with lower rebound and dust
- Safer and healthier to handle, non-alkaline formulation
- Robust and easy to formulate i.e. liquid product, easily measured and dosed

APPLICATION

- Temporary and permanent rock support in tunnels
- Underground rock support in mining
- Slope stabilisation

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Off-white
Lifetime	3 months
Specific gravity (kg)	1,490 ± 0,010
pH	2,50 ± 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 :

The dosage of TYTRO® SA 535 can vary based on the type of application, mix design, cement type and content, water to cementitious materials ratio, temperature of the concrete, ambient temperature and temperature of the substrate on which the concrete is to be applied. The dosage of TYTRO® SA 535 normally ranges between 3% and 8% by the total weight of cementitious materials. Overdosing (>10%) may result in decreased final strength. Should conditions require using more than the recommended dosage rates, please consult your local Chryso representative.

It is recommended that trials be performed before use to optimise dosage rates and shotcrete performance. Predetermined and tested re-entry requirements are to be measured and nominated. TYTRO® SA 535 is added at the nozzle. It is a suspension and therefore not all types of dosing pumps will work properly.

Equipment :

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

COMPATIBILITY

- All TYTRO® admixtures for shotcrete applications

PRECAUTIONS

- Do not store TYTRO® SA 535 in steel containers as the pH can cause corrosion which might affect the performance of the product. After prolonged storage, TYTRO® SA 535 should be vigorously recirculated in the tanks by means of stirring apparatus or through recirculation before use.
- Avoid eye and skin contact and wear rubber gloves and goggles. If contact occurs, rinse with plenty of water. In case of eye contact, seek medical advice.
- TYTRO® SA 535 should be stored at a temperature range of 5°C to 35°C and recommended to be kept out of direct sunlight.