

# TYTRO® HC 270

Hydration Controlling Admixture

## DESCRIPTION

TYTRO® HC 270 is a ready-to-use aqueous solution of chemical compounds specifically designed to stabilise the hydration of shotcrete. The ingredients are factory pre-mixed in exact proportions under strict quality control to provide uniform results. TYTRO® HC 270 stabilises the hydration process of portland cement preventing it from reaching initial set.

This stabilisation is not permanent and is controlled by dosage rate. This stabilised concrete then resumes normal hydration when it is activated by the addition of TYTRO® SA alkali-free accelerator at the nozzle. The result is shotcrete with normal plastic and hardened properties. TYTRO® HC 270 complies with AS 1478.1-2000, Type D retarder.

## BENEFITS

- Extended slump life for shotcrete application
- Avoids cleaning of pumps or pipes during work interruptions
- Time and cost savings

## APPLICATION

- Shotcrete to stabilise cement hydration
- Applications where a controlled set time extension is required

## INDICATIVE INFORMATION

<b>Product Nature</b>	liquid
<b>Color</b>	Green
<b>Lifetime</b>	12 months
<b>Specific gravity (kg)</b>	1,150 ± 0,020
<b>pH</b>	7,25 ± 1,25

## PACKAGING

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

## METHOD OF USE

### Dosage :

Dosage rate for TYTRO® HC 270 typically ranges from 200 ml / 100 kg to 800 ml / 100 kg of total cementitious material. The amount used depends on the specific materials involved, concrete age, temperature conditions, and stabilisation period. Consult your local Chryso representative.

It is required to do a preliminary evaluation of the desired properties and to make product adjustments accordingly.

### Equipment :

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

## COMPATIBILITY

- Compatible with all TYTRO® shotcrete admixtures

## SAFETY

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