

TYTRO[®] RC 400

High performance, rheology control admixture for fibre-reinforced shotcrete

Product Description

TYTRO[®]RC 400 is a high performance, liquid rheology control admixture based on nanometric colloidal silica formulated to improve cohesion, adhesion and early strength development to fibre-reinforced shotcrete.

Product Advantages

- Reduces or eliminates silica fume
- Improves sprayability
- Reduces rebound losses
- Allows large layer thickness in a single pass
- Low dust in spray applications
- Robust and easy to formulate

Application

TYTRO[®]RC 400 is suitable for all shotcrete applications where high early and final strength, low rebound, and large layer thickness in a single pass are required, and especially in the following applications:

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

Addition Rates

The dosage of TYTRO[®]RC 400 ranges between 0.5% and 2% by weight of cement.

It is GCP'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 GCP representative.

Compatibility

TYTRO[®]RC 400 is compatible with the GCP TYTRO[®] admixtures for shotcrete applications. For use with other shotcrete admixture systems, we recommend that you contact GCP Applied Technologies for further advice.

Packaging & Storage

TYTRO[®]RC 400 is available in 1,000L totes and by bulk delivery. Shelf life is 12 months.

Dispensing Equipment

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

Health and Safety

Please see TYTRO[®]RC 400 Material Safety Data Sheet or consult GCP Applied Technologies.

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