

## MULTI CHEMGROUT 860

### High Strength Chemical Grout

#### Description

MULTI CHEMGROUT 860 a pre-mixed non-shrink grout formulated for use at any consistency from fluid to damp-pack, where high early strength and precision bearing is required.

#### Typical Applications

MULTI CHEMGROUT 860 is recommended for use in the grouting of:

- \* Grouting of machinery and equipment requiring high early strength
- \* Grouting of holding down bolts that require tensioning within 1 hour.
- \* As a repair medium to damaged concrete.

#### Advantages

- \* High early strengths
- \* High bond strengths ( + 5 times that of concrete)
- \* No curing required
- \* Repairs to all types of concrete
- \* Chemically bonds with concrete and other materials

#### Typical Properties

Strength development is dependent upon the water/ chemical grout ratio.

#### Typical Compressive strengths (Mpa)

1 HOUR	4 HOURS	24 HOURS	7 DAYS	28 DAYS
15	20	30	40	45

#### Bond Strength (kN)

The bond strengths have been tested using 200mm x 16mm smooth steel bar.

1 HOUR	4 HOURS	24 HOURS
35	45	55

#### Flexural strengths (Mpa)

1 HOUR	4 HOURS	24 HOURS	7 DAYS	28 DAYS
2.2	3.5	4.3	5.5	6.3

#### Setting Times

- \* Temperatures affect the setting time of MULTI CHEMGROUT 860.
- \* Initial set is  $\pm 10$  minutes and final set approximately 1 hour. This allows sufficient time for mixing, placing and finishing.

#### Directions for Use

##### Surface Preparation:

- \* Concrete surfaces must be clean, sound and free of all types of contamination, viz. dust, grease, oil and curing membranes. Areas to be repaired must be cut back to a minimum of 25 mm and the concrete surface made rough. Do not feather edge this material.

Always remove any excess water from the concrete surface prior to grouting or repairing damaged concrete

#### Priming

No priming is required with MULTI CHEMGROUT 860.

#### Watch point

**Mixing Time:** Only mix the product once all of the preparation work is completed, since the placing time is limited to 7-10 minutes. Do not retemper.

#### Cleaning Equipment

Wash equipment with water as soon as the mixing of the product is complete.

#### Water Addition

Add water as specified. Excess water will reduce compressive strengths dramatically and cause segregation.

#### Curing

MULTI CHEMGROUT 860 is self curing.

#### Yield

One 25kg bag mixed with 2,0 to 2,5 litres of water yields 11 litre or approximately 91 x 25kg bags/m<sup>3</sup>

#### Packaging

Supplied in 25kg woven polypropylene bags.

#### Quality Assurance

MCC LIMPOPO's production and testing programmes comply with all local and international testing standards.

#### Updates:

This data sheet supersedes all previous issues prior to this date: 31/05/97.