

## 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 +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 91x25kg 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.