



TSIRCON CO LTD

MANUFACTURERS & TRADERS
OF BUILDING MATERIALS

Ημ. έκδοσης 12/2003

TSIRCO-CEMGROUT

Non-Shrink Grout

Product: TSIRCO-CEMGROUT is a single component, high strength pourable cementitious grout.

Composition: A blend of specially modified cements and aggregates free from corrosive substances.

Uses: A heavy-duty pourable grout for machine base bearing plates anchoring and all construction recesses.

Consumption: A 25kg pack of Tsirco-Cemgrout will yield approximately 12 litres of grout.

Packaging: 25kg three-ply paper sack.

Expansion: Two stage expansion to offset plastic shrinkage often associated with cement.

Strength: Up to 70N/mm² at 28 days, 20°C.

Description: TSIRCO-CEMGROUT is a prebatched cementitious grout with excellent flow properties, high early strengths, and has slight expansion properties to ensure the placed grout will not shrink after placing.

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TSIRCO-CEMGROUT is economical and easy to use requiring only the addition of clean water to provide the following properties:

- ❖ Good flow characteristics.
- ❖ Rapid early strength development.
- ❖ Non-corrosive.
- ❖ High final strength.
- ❖ Adjustable consistency.
- ❖ Non-toxic.

Coverage: Approximately 3.0 litres of clean water to be mixed with a 25kg bag of Tsirco-Cemgrout will give a fluid pourable grout of about 12 lt. This consistency will stay pourable for about 25 minutes at 20°C.

Where to use:

TSIRCO-CEMGROUT is used for the following grouting locations:

- ❖ Machine foundations
- ❖ Columns in precast construction
- ❖ Concrete anchors
- ❖ Cavities, gaps and recesses
- ❖ Bearing plates e.t.c.

Instructions for use:

1. Surface Preparation

All concrete must be clean, sound and free from oil, grease and cement laitance. Substrate shall be thoroughly prewetted before application. All metal surfaces must be free from corrosion products.

2. Mixing

Add the premixed powder in water using mechanical slow speed stirrer until an even smooth consistency has been reached.



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3. Application

Immediately after the mixing pour the mortar ensuring that air can be displaced and that a sufficient head of pressure is maintained to keep the mortar flowing.

Important Hints: Although TSIRCO-CEMGROUT can be used between 5°C-35°C, the used of warm water in cold conditions and cool water in hot conditions will assist the flow of the grout. It is essential that concrete surfaces are prewetted. At all times during the pouring of the grout maintain a light rod movement to increase flow.

Strength Gain:

At 20°C	Compressive Strength N/mm ²
24 hrs	58
3 days	64
7 days	71
28 days	78

Technical Data:

Max. particle size: 3mm

Pourable life : About 25min. at 20°C

Density : Appr. 2kg/lit

Colour : Grey

How to Specify: All cavities to be prepared and filled with TSIRCO-CEMGROUT strictly in accordance with the Technical data sheet from Tsircon Co Ltd.