

## LANKO 703 GROUT 180

How to use- cont.

**NON-SHRINK GROUT**

### Mortar Preparation:

- The slurry or mortar is obtained by mixing LANKO 703 Grout 180 with clean water.
- Mixing should be carried out as follows:
  - By machine or hand mixer for flowable or fluid consistency.
- Mixing time: 3 minutes minimum.

### Grouting:

- Formworks shall be sufficiently tight-fitting and sealed against leakages.
- On the placement side, the forms should be constructed above the bottom of the plate to form a headbox. The headbox should be positioned at a minimum of 50mm from the plate and slope away at a 45° angle to assist grout placement as well as prevent air entrapment.
- The form should be minimum 50mm away from the plate and extend at least 25mm above the bottom of the plate.
- Non-absorbent formwork is preferred; otherwise, it should be properly oiled to prevent grout adhesion.
- Thoroughly wet all surfaces prior to placement and remove any excess water just before introducing the grout.
- The mixed grout should be placed promptly before it stiffens. Higher temperature will accelerate setting time.
- Pour grout from one side only to avoid air entrapment.
- Adequate grout head must be maintained at all times to achieve a continuous flow.
- Vibrator should not be used. Excessive vibration will cause separation of each ingredient.

### Curing:

- As soon as the mortar begins to set, the exposed surface should be treated with a protective coating (e.g. LANKO 361).

### Precautions:

- Temperature range for use: 5°C to 35°C.
- Apply only to clean, sound resistant substrates, free of loose material.
- Surfaces must be protected from air with LANKO 361 once setting starts.
- Do not mix with other hydraulic binders or cement.
- Sand and admixtures must not be added.
- Foresee the need for intermediate joints and respect the existing structural joints.
- Chipping or removing loose or damaged concrete is necessary for repairs.

**NON-SHRINK  
GROUT**



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REPAIRING & GROUTING

### PAREXGROUP INC.

No. 888 Cayetano Avenue, Warehouse 5 & 6, C5 Extension,  
Diversion Road, Brgy. Palongon-Tipas, Taguig City, Philippines  
Tel. (632) 672 1705 / (632) 790 9800 - Fax. (632) 790 9828  
Web: [www.parexgroup.com.ph](http://www.parexgroup.com.ph)

# Technical Data Sheet

## LANKO 703 GROUT 180

### Description

**NON-SHRINK GROUT**

LANKO 703 GROUT 180 is a cementitious non-shrink grout which is specially formulated to have a lower embodied carbon footprint. It has high fluidity and is ideal for grouting requiring only on-site addition of water to provide a non-shrink free flowing grout.

### Uses

Primary uses are: bedding, filling and grouting applications where complete filling of voids and non-shrink material is required. It can be used under-plate, repairs to precast concrete, bedding bearing plates, anchor bolt fixing, cable grouting and crane rail assembly.

### Product Use Technical Data

<b>Appearance</b>	Gray Powder
<b>Water Required</b>	4.5 Liters per bag (18%)
<b>Consistency</b>	Flowing
<b>Compressive Strength</b>	1 Day at 15 MPa 3 Days at 35 MPa 28 Days at 50 MPa
<b>Setting Time</b>	Initial : Approximately 6-8 hours Final : Approximately 10-12 hours

### How to use

#### Substrate Preparation:

- Chip or remove loose and damaged concrete and laitance using a point tool or chisel in order to obtain a clean surface.
- The substrate must be clean, sound dust-free and without any traces of oil, laitance or curing compound.
- Damp the substrate using sponge/cloth prior to application.

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**REPAIRING &  
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### DISCLAIMER

The use of these products is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subject to change without prior notice.