



BUILDING TRUST



## PRODUCT DATA SHEET

# LANKO 700 NON SHRINK GROUT PRECAST

Non-shrink grout precast

### DESCRIPTION

LANKO 700 NON SHRINK GROUT PRECAST is a ready-to-mix, shrinkage-compensating, fluid or semi-paste mortar with good mechanical strength. Intended for anchoring and bedding purposes.

### USES

- Filling joint between concrete and precast structure.
- Grouting under base plate.

### CHARACTERISTICS / ADVANTAGES

- Good Compressive Strength up to 550 ksc at 28 days.
- Good Flow.
- No Bleeding.

### PRODUCT INFORMATION

Composition	Hydraulic binder, mineral filler and specific additives
Packaging	25 kg bag Pallet containing 56 x 25 kg bags (1,400 kg)
Appearance / Colour	Grey Powder
Shelf life	12 months from the date of production If stored properly in undamaged, original, sealed packaging
Storage conditions	Store in dry condition, protected from direct sunshine.
Density	1.4 - 1.5 kg/L

### TECHNICAL INFORMATION

Compressive strength	<b>1 day</b>	<b>7 days</b>	<b>28 days</b>
	≥ 23 MPa	≥ 40 MPa	≥ 55 MPa

### APPLICATION INFORMATION

Mixing ratio	3.5 - 3.75 Litres of water per 1 bag 25 kg
Consumption	For 1 m <sup>3</sup> of mortar approx. 75 x 25 kg bags.
Ambient air temperature	10°C to 35°C

**Setting time****Pouring Consistency****25°C**

Initial Setting

5 h 30 min

Final Setting

7 h 30 min

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

#### Bedding Preparation

1. The substrate must be clean, no dust and without any traces of oil, laitance or curing compound.
2. The steel rebar must be cleaned, no rust and oil.
3. Remove loose and damaged concrete and laitance using a point tool or chisel in order to obtain a clean surface.
4. Soak the substrate with water for 2 - 3 hours or several hours prior to application.

#### Formwork Preparation

1. Formworks shall be sufficiently tight-fitting and sealed against leakages.
2. Non-absorbent formwork is preferred, otherwise, it should be properly oiled to prevent grout adhesion.
3. Thoroughly wet all surfaces prior placement and remove any excess water just before introducing the grout.

### MIXING

1. Mix LANKO 700 NON SHRINK GROUT PRECAST with clean water. The quantity of water used depends on the consistency required.
2. Mixing should be carried out as follows: By machine mix with recommended speed at 500 rpm.
3. Mixing time: at least 3 minutes and required consistency is obtained.
4. Leave the mixture to stand for 1 - 3 minutes.
5. Do not add water after mixing.

### APPLICATION

#### Bedding

1. The mixed grout should be placed promptly before it stiffens. Higher temperature will accelerate setting time.
2. Pour grout from one side only to avoid air entrapment.
3. Use a rod or strap to assist in large/difficult placement as well as to facilitate maximum surface contact. Concrete vibrator should not be used. Excessive vibration will cause separation of each ingredient.

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## IMPORTANT CONSIDERATIONS

- Surfaces must be protected. As soon as the mortar surface begins to set, the exposed surface have to be treated with a curing compound or normal curing practice should be observed for at least 3 days.
- Do not mix with other hydraulic binders, sand, admixtures or other aggregate which does not recommend.

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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