

JURCEM NON-SHRINK GROUT PG is a pre-packed and ready to use, non-shrink, cementitious pumpable grout consisting of Portland cement, specially selected graded silica sand, mineral accelerator and other high performance additives. All additives used are chloride and alkali free.

JURCEM NON-SHRINK GROUT PG is designed for application on general repairs to concrete structure. Repairs such as:

1. for the stabilising of settlement affected non-suspended ground slabs,
2. pressured infilling to cavities and voids between slabs and the immediate ground surfaces; also
3. cracks or spalled areas through pressure or gravity fed grouting.

Other applications include filling of machine bases, crane rails, stanchion bases and anchor bolts & bars.

TYPICAL PROPERTIES

Colour	Grey
Binder Phase	Portland Cement
Filler Materials	Graded Silica Sand
Density	Approx. 2,000 kg/m ³
Flow Consistency, ASTM C939:2002	10 to 30 seconds
Compressive Strength, ASTM C942:1999	≥ 40 N/mm ² @ 28 days
Expansion, ASTM C940:1998a	<0.4% @3 days and 28 days
Shrinkage, ASTM C940:1998a	0% @ 28 days
Setting Time, ASTM C 953:1987	Initial ≥1 hr Final ≤ 10 hr
Pot Life	Approx. 20 minutes
Quantity of Water	4.8 to 5.8 litres per bag
Yield (pumpable)	Approx. 0.014m ³ per 25 bag

AREAS OF APPLICATION

1. Repair of spalling concrete and honeycombs
2. Machinery bases
3. Column to column
4. Anchor bolt & bars
5. Rail/Post to slabs

APPLICATION METHOD

Surface Preparation

Remove all deteriorated concrete, dirt, oil, grease and other bond inhibiting materials from surface. Reinforcement bar should be blasted to bare metal and treated with rust protectant.

Flood the grouting zone with clean water, blow out stagnant water including those trapped in pockets or boltholes. Substrate should be saturated-surface dry and free of surplus water prior to application.

All formworks encasing grouting zone must be sturdily constructed and to allow for sufficient hydrostatic points.

All edges and joints must be sealed to watertight. In pressure grouting, the installation of input /stop-valve must be firm and strategically positioned.

Mixing

For small patches, use an electrical hand-held drill mixer. Use a drum type mechanical mixer for big patches.

Pour 4.8 to 5.8 litres of water into the mixer. Slowly add 25 kg of JURCEM NON-SHRINK GROUT PG and mix continuously for at least 4 minutes, until a homogeneous lump-free mixture is obtained. Avoid entrapping air during mixing.

To obtain pourable consistency, add 4.5 to 5 litres of water into the drum type mechanical mixer or bucket that is using the electrical hand held mixer. Add 25 kg of JURCEM NON-SHRINK GROUT PG slowly in low speed. Mix for at least 3 minutes until homogeneous lump-free mixture is obtained.

Placing

For gravity fed applications, place the mixed grout from one side or corner in one continuous pour. When grouting large areas, pour from the middle through a pipe or funnel.

For machine installations, fill the anchor bolt pockets, followed by the underside of the machine.

For pressure grouting, hand-grout pump or electrical pump can be utilised, depending on the volume and size of the grouting area. Once the pressure has been reached, close the stop-valve and release the pressure gauge.

Curing

Allow seven days for curing, before striking off the formworks.

Open areas must be protected against evaporation by using JURCEM ACRYCURE WB, a polyethylene sheet or damp burlap. Protect newly applied mortar from rain.

Cleaning

Clean tools with water immediately after use. Cured materials can only be removed mechanically.

PACKAGING

25 kg bag

SHELF LIFE

12 months if stored in original sealed packaging under dry and cool condition.

JURCEM[®]

NON-SHRINK GROUT PG

裕昇泵送型无收缩水泥基砂浆

Pumpable General-Purpose Non-shrink Grout



SAFETY PRECAUTIONS

JURCEM NON-SHRINK GROUT PG is non-hazardous, but due to the cementitious nature, it is advisable to wear a filter mask and protective clothing. In case of eye contact, wash copiously with water and if irritation persists, seek medical treatment.

For more detailed information, please refer to Material Safety Data Sheet.

JCL Building Materials Pte Ltd (JCL) warrants that the product conforms to its chemical and physical description and is within bounds fit for use as stated on its product data sheet when used in compliance with written instructions. JCL makes no other warranty either expressed or implied. The purchaser assumes all risks in handling.

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