

JURCEM NON-SHRINK GROUT GP is a specially formulated, pre-packed and ready to use non-shrink cementitious grout. It is non-corrosive, non-oxidising and is free of chlorides.

It consists of Portland cement, specially selected graded silica sand, mineral accelerator and other high performance additives. It is formulated to compensate dry shrinkage in all phases.

It requires only on-site addition of water to produce a high early compressive strength. It is easy to install and it eliminates site variations.

TYPICAL PROPERTIES

Colour	Grey
Binder Phase	Portland Cement
Filler Materials	Graded Silica Sand
Density	Approx. 2,000 kg/m ³
Flow Consistency, ASTM C 1437:2001	30 to 40%
Bond Strength, BS EN 12615:1999	≥ 1.5 N/mm ² @ 28 days
Compressive Strength, ASTM C109:2002	≥ 40 N/mm ² @ 28 days
Volume Change, ASTM C827:2001a	0 to 3% @ 28 days
Setting Time, BS EN 196 Part3:1995	Initial ≥ 1 hour Final ≤ 4 hours
Pot Life	Approx. 30 minutes
Quantity of water (For plastic consistency)	3.3 to 3.7 litres
Yield	Approx. 0.014m ³ per 25 kg bag

AREAS OF APPLICATION

1. Patching of honeycombs in concrete
2. Repairing of cracks and spalled concrete
3. Filling up form tie holes, reglets and seal strips at construction joints, machine bases, crane rails and stanchion bases, etc
4. Bond new concrete to old

APPLICATION METHOD

Surface Preparation

Remove all deteriorated concrete, dirt, oil, grease and other bond inhibiting materials from surface. Form ties with insets must be removed. Rout out visible cracks to a depth of 20-25mm. Also rout out honey combed pockets and faulty construction joints to sound concrete. Substrates should be dampened and free of standing water before application.

Mixing

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

Use 3.3 to 3.7 litres of water and pour into the mixer. Slowly add 25 kg of JURCEM NON-SHRINK GROUT GP and mix continuously for at least 4 minutes until a homogeneous lump-free mixture is obtained.

To obtain flowable consistency, pour 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 GP slowly in low speed. Mix for at least 3 minutes until homogeneous lump-free mixture is obtained.

Placing

Compact JURCEM NON SHRINK GROUT GP to prepared substrates / repair area, in laminating layers and finish with a steel trowel.

Curing

Open areas must be protected against evaporation by using JURCEM ACRYCURE WB curing compound, 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.

SAFETY PRECAUTIONS

JURCEM NON-SHRINK GROUT GP 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.

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