



# PACTOGrout GP

General Purpose Non Shrink Grout

## DESCRIPTION

**PACTOGrout GP** is a cementitious grout, high strength shrinkage compensating pumpable grout. It is supplied as a ready to use dry powder, which requires only the on-site addition of water. This non-shrink grout is applicable grout gap thickness range of 10 -100 mm.

## TYPICAL USES

- Void filling between old and new concrete
- Fixing of machinery and bedding plates
- Filling and caulking of concrete
- Fixing, jointing and anchoring of precast concrete
- Grouting of stanchion base plate.
- To fill the gap behind steel door frames

## ADVANTAGES

- Ease of application
- Non Shrink
- Early strength development
- High bond strength to steel, concrete and bricks
- Adjustable consistency

## STANDARD

ASTM C 1107 Type A

## PACKAGING

25 kg. Bag

## PROPERTIES

The following properties were obtained at water: powder ratio of 0.14 and temperature of 23±2°C.

Appearance	Grey Powder
Fresh wet density	Approx. 2200 kg/m <sup>3</sup>
Compressive Strength (ASTM C 109)	7 days : > 48 N/mm <sup>2</sup> 28 days: > 60 N/mm <sup>2</sup>
Tensile Strength (ASTM C 307)	28 days :> 4.0 N/mm <sup>2</sup>
Flexural Strength (BS 4551)	3 days: > 2.5 N/mm <sup>2</sup> 7 days: > 6.0 N/mm <sup>2</sup> 28 days :> 9.0 N/mm <sup>2</sup>

## APPLICATION INSTRUCTION

### Surface Preparation

The surface to be grouted with **PACTOGrout GP** must be clean and free from all contaminants such as grease, paint, oil, laitance. Any contamination should be removed by mechanical means to produce a sound substrate. The bond surfaces should be kept wet for at least 24 hours prior to grout application.

### MIXING

Mix **PACTOGrout GP** with 3.0 – 4.0 liters of water per 25 kg bag to obtain the required consistency.

### APPLICATION

All of the mix should be placed within one hour of mixing. No water should be added for re-tempering. For Horizontal application, it should be poured continuously and formwork should be tamped gently. For vertical application such as boreholes. The grout should be injected starting from the top and should continue until the borehole is full. The entrance should then be plugged. **PACTOGrout GP** must not be vibrated.

Exposed areas should be thoroughly cured, apply a curing compound to prevent evaporation and cracking or continuous application of water and / or wet hessian.

### CURING

**PACTOGrout GP** demands good curing. Particular care is required in hot/windy conditions. Curing is to be commenced immediately either by applying a single coat PACTOCure GP 75, or by covering the work with plastic sheet fixed over wet hessian and taped at all edges.

### YIELD

12.5 Liters/25 kg bag at 4 liters water addition.



## HOT WEATHER WORKING

For temperatures above 35°C application, under such conditions can sometimes be difficult. The following guidelines are suggested.

1. Store **PACTOGrout GP** in a cool controlled temperature, avoiding exposure to direct sunlight.
2. Arrange shade protection for all the mixing equipment. It is especially important to keep cool those surfaces of the equipment which will come into direct contact with the material itself.
3. The mixed grout should be placed immediately and used water below 10°C.
4. Try to avoid application in the middle of the day and in direct sunlight.

## STORAGE AND SHELF LIFE

Store out of direct sunlight, clear of the ground on pallets, protect from rainfall. Avoid excessive compaction. Shelf life is 12 months when stored as above.

## PRECAUTIONS

As with other products containing Portland cement, the cementitious material in **PACTOGrout GP** may cause irritation. In case of contact with eyes, immediately flush with plenty of water for at least 15 minutes. Call a physician. In case of contact with skin, wash skin thoroughly.



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