



UCOGROUT-GP

EG-132

High Strength Grout

Product

UCOGROUT-GP is pre-packed free flowing non-shrink, high strength, cementitious cheoplastic grout with wide range of applications

Composition

UCOGROUT-GP is a blend of modified special cements, expansion agent, fluidities and well-graded aggregates free from corrosive substances

Description

UCOGROUT-GP is a pre-mixed cementitious grout with both high early and ultimate strengths.

UCOGROUT-GP has excellent flow properties and will not shrink after placing.

UCOGROUT-GP is simple to use and only requires the addition of water to produce a fluid grout. UCOGROUT-GP is free from corrosive substances.

Properties

In common with other cementitious products, the properties of UCOGROUT-GP depend upon the water : cement ratio used.

UCOGROUT-GP will stay pourable for approximately 20 minutes at 20⁰C, any material unused after this time should be discarded.

UCOGROUT-GP is suitable for use in gap widths of between 10-50 mm. For applications below 10 mm alternative materials may be used, please contact our Technical Department for material may be built up on layers not exceeding 50 mm.

Alternatively, UCOGROUT-GP may be bulked out by the addition of approximately 6 KG of 6 mm pea-gravel to each bag. This will allow thickness up to 100 mm to be achieved in one pour.

Technical Data

Form	Powder
Colour	Grey
Pourable Life.....	30 mins max.
Water Absorption	Less than 2%
Density.....	Flowable : 217 KG/m ³ Plastic : 2250 KG/m ³
Water per 25 KG.....	4 Liters
Free Expansion.....	2 to 4% in plastic state.

Advantages

- Ready to use
- High early and ultimate strength
- Non-shrink
- Good flow properties
- Chloride-free

- Non-ferrous
- Resistant to oil and water penetration
- Slight expansion leads to superior bonding to surrounding materials
- Excellent adhesion

Purpose

Ideally suited as a heavy-duty grout for machinery, tracks and crane rails where complete filling of voids is needed.

Where to Use

- Machines base plates
- Columns in pre-cast construction
- Cavities, gaps and crane rail
- Bridge bearing pads, Boiler foundations
- Grouting of stanchion bases struts
- Railings and guard rail assemblies
- Grouting of tracks and transformers

Method of Use

The substrate should be sound, clean and free from contamination. Concrete and other mineral surfaces should be carefully pre-wetted and all surplus water removed prior to the application of UCOGROUT-GP. Use oil free compressed air to blow out boltholes etc. as necessary. Ensure base plates, bolts etc., are clean and free of oil, grease and paint, etc. Set and align equipment-if shield are to be removed after the grout has set, then lightly grease them to facilitate easy removal.

The UCOGROUT-GP should be mixed with the correct amount of water, preferably by mechanical means, for a minimum of 3 minutes and a maximum of 5 minutes. Do not mix more material then can be used in 20 minutes. The powder should never be poured into still water.

The fluid grout should be poured from one and only. Ensure that air displaced by the fluid grout is allowed to escape when carrying out base plate grouting Ensure sufficient grout head of pressure is maintained to keep grout flowing about 200mm.

After grout is initially set keep the grout damply covering with polythene or damp hessian.

Typical Strength Results:

Test Age	Compressive Strength (At w/p=0.16 KG/cm²)
1 Day	250.0
3 Day	400.0
7 Day	550.0
28 Day	700.0

Usage

One 25 Kg pack of UCOGROUT-GP will yield approximately 13.5 litres of grout

Packing

25, 50 KG woven sacks / PVC laminated paper bags

Storage

- UCOGROUT-GP has a shelf life of 12 months from the date of manufacturing, if stored as per manufacturer's instructions & in manufacturer's original unopened packing.
- Keep away from direct sunlight and store in dry & shade.
- Protect from freezing and moisture.

Handling Precaution

- UCOGROUT-GP is an industrial chemical; required handling precautions should be followed.
- UCOGROUT-GP is non-flammable and doesn't contain any flammable ingredient.
- UCOGROUT-GP is non-hazardous; however, inhalation of its dust particles should be avoided. Use of facemask is recommended.
- Prolonged contact with skin should be avoided. Use rubber gloves and boots, when working overhead, goggles should be worn.
- Contact with eye should be avoided. If in contact with eye, wash with water and take medical advice immediately.

Important Note:

All products should be used in accordance with manufacturer's instructions. Every effort is made to ensure that the information is reliable, however we do not accept any responsibility for any work carried out with our material(s) as we have no control over the method(s) used for application, site conditions, weather conditions, etc.

**INNOVATIVE
MARKETING**

Works:

Plot No. 16, GIDC Industrial Estate, Pardi – 396125, Dist. Valsad, GJ, IND
+91 99250 35219 | info@innovativemarketing.in | www.innovativemarketing.in

Marketed by:



UCLID TECHNOLOGY LTD.
(CONSTRUCTION CHEMICAL DIVISION)

www.uclidtechnology.com