

UNICHEM GROUT GP

GENERAL PURPOSE CEMENTITIOUS GROUT

UCA-PP-03-0722

DESCRIPTION

UNICHEM GROUT GP is a general purpose cementitious one component, free flowing, and non-shrink grout with high ultimate strength.

The product is suitable for use in tropical and hot climates. UNICHEM GROUT GP is a blend of Portland cement, graded fillers and chemical additives which impart controlled expansion in the plastic state whilst minimizing water demand. The low water demand ensures high early strength.

USES

- ❖ UNICHEM GROUT GP can be used for general purpose grouting, Machine and structural base plants, Pre-cast concrete sections. Cavities, gaps and recesses.
- ❖ UNICHEM GROUT GP can also be used for anchoring a wide range of fixings. These include masts, anchor bolts, fence posts and around pipe sleeves

ADVANTAGES

- Shrinkage compensating properties.
- Similar appearance to concrete.
- Contains no chlorides, or corrosive ingredients.
- No metallic iron content to cause staining.
- High ultimate strength and low permeability ensure the durability of the hardened grout.

TYPICAL PROPERTIES

PACKAGING	25 Kg	
APPEARANCE	Grey cementitious powder	
YIELD	0.013 to 0.014 m ³ when mixed with 3.25 to 4.0 liters of water (for 25 kg bag)	
COMPRESSIVE STRENGTH	3 days	>25 MPa
	7 days	>35 MPa
	28 days	>60 MPa
AMOUNT OF WATER REQUIRED (FOR 25 Kg Bag)*		
Flowable : 3.25 to 4.0 liters		
Trowellable : 2.6 to 2.9 liters		
*More or less water may be required depending on temperature, job requirements and other factors.		
POT LIFE	30 minutes @25°C	
APPLICATION TEMPERATURE	5 TO 35°C	
MIXED DENSITY	2250 kg/m ³	

The values given above for typical properties are average figures achieved in controlled laboratory conditions. Actual values obtained on site may show minor variations from those quoted.

STANDARDS

UNICHEM GROUT GP meets the performance standards of ASTM C1107

INSTRUCTIONS FOR USE

SURFACE FOR PREPARATION

Concrete surface should be clean, rough, sound and free from oil, grease, cement laitance and all loosely adhering particles. Absorbent surface should be saturated thoroughly with clean water. Metal surfaces (iron and steel) should be free from scale, rust oil and grease.

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APPLICATION METHOD

- UNICHEM GROUT GP can be mixed with clean water from 12 to 14 % of powder mortar (UNICHEM GROUT GP) by weight or as per the desired consistency. The water needed for a full 25 kg bag is as mentioned above
- UNICHEM GROUT GP is best mixed in a forced action mixer for 2 -3 minutes or until the mix is free of lumps but not longer than 5 minutes.
- Do not mix more grout than that can be placed within 15 to 20 minutes. Do not add extra water or other ingredients, mix only full bag for the best result.
- Before pouring let the mixed grout stand for approximately 5 minutes (after mixing), to allow entrapped air to escape. Pour into the prepared area such that the grout has the shortest distance to travel.
- When carrying out base plate grouting, ensure a sufficient head of pressure to keep the mortar flowing.

STORAGE & SHELF LIFE

Original sealed bags of UNICHEM GROUT GP has a shelf life of 12 months. UNICHEM GROUT GP should be protected from extremes of temperature & Protect from sources of moisture and humidity.

SAFETY PRECAUTIONS

Do not use any curing compounds. It is a cementitious alkaline product. Care should be taken to avoid contact with eyes, skin, mouth and food stuff. Any splashes on the human body must be washed with plenty of water.

LIMITATION OF LIABILITY

This information is based on our current level of knowledge. It is given in a good faith but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein.

P.O BOX 80071
BUILDING 1928
ROAD 5146, BLOCK 951
ASKAR, KINGDOM OF BAHRAIN

PHONE : +973 17830830
info@unichembahrain.com
www.unichembahrain.com
CR No. 51803