



Let's Build GREEN  
AN ISO 9001:2015 CERTIFIED COMPANY

## MAP - FLOOR GROUT (GP 2)

*General purpose, non shrink, free flowing, high strength, cementitious grout.*

### DESCRIPTION

MAP - FLOOR GROUT (GP 2) is a premixed cement based, nonferrous, non-shrink grout exhibiting good flow characteristics. This economic performance grout offers the advantage of low water requirements and medium to high compressive strengths. MAP - FLOOR GROUT (GP 2) should be specified for general purpose and construction site applications where the major emphasis is ease of application. MAP - FLOOR GROUT (GP 2) is supplied ready-to-use as a dry powdered product requiring only the addition of water to be used for a wide range of applications. MAP - FLOOR GROUT (GP 2) produces high early and ultimate strengths without intermediate or latent shrinkage. MAP - FLOOR GROUT (GP 2) remains stable without failure from compressive loading, impact, lateral thrusts, high heat or continuous vibration. Plastic settlement and shrinkage are prevented by the shrinkage compensated mix design. Low mixing water demand results in the hardened grout giving good freeze-thaw stability, low water absorption plus resistance to oil, sea water and mild alkali attack. The grout is chloride free, can be safely used in contact with steel and can be placed in section thicknesses of 10 mm up to 100 mm.

### USES

MAP - FLOOR GROUT (GP 2) is used for precision grouting where it is essential to withstand static and dynamic loads. Typical applications would be the grouting of base plates of turbines, compressors, boiler feed pumps etc., It can also be used for anchoring a wide range of fixing. These include masts, anchor bolts and fence posts.

### ADVANTAGES

- Prepacked, in factory ensures consistency in supply requires addition of water to develop a free flow, non-shrink and high strength gaining grout.
- Material shrinkage is offset by expansion during green condition and later on by maintain original volume.
- Self-levelling by nature.
- Easy placement and filling of under base of machinery.
- Contains no chlorides, or corrosive ingredients.
- Similar appearance to concrete.

### INSTRUCTIONS FOR USE

#### Surface Preparation

Correct and thorough surface preparation is essential to achieve the high-performance qualities of MAP - FLOOR GROUT (GP 2). All surfaces must be clean, sound and free from dust, ice, oils, grease and other surface contaminants

such as curing membranes and form release agents etc. Bolt holes and fixing pockets should be free of dirt and debris by air blasting. For maximum bond, surfaces should be abraded or roughened, preferably by mechanical means such as needle gun, gritblasting, grinding etc.

### TYPICAL PROPERTIES & SPECIFICATIONS

Compressive Strength (BS 1881: Part 116, 1983 & ASTM C 1107) @ w/p ratio 0.18 (flowable), w/p ratio 0.16 (Pourable).

Sr. No.	PROPERTIES	SPECIFICATION	
1.	AGE IN DAYS	COMPRESSIVE STRENGTH	
		Flowable w/p= 0.18	Pourable w/p= 0.16
	1	24 N/mm <sup>2</sup>	27 N/mm <sup>2</sup>
	3	40 N/mm <sup>2</sup>	50 N/mm <sup>2</sup>
	7	55 N/mm <sup>2</sup>	65 N/mm <sup>2</sup>
	28	65 N/mm <sup>2</sup>	75 N/mm <sup>2</sup>
2.	AGE IN DAYS	FLEXURAL STRENGTH	
	1	2.5 N/mm <sup>2</sup>	
	3	7 N/mm <sup>2</sup>	
	7	9 N/mm <sup>2</sup>	
	28	10 N/mm <sup>2</sup>	
3	Unrestrained Expansion	1 – 4%	
4	Consistency Life	20 minutes @ 30° C	
5	Density	2000 kg/m	
6	Initial Setting Time	Approx. 5 hrs.	
7	Flow on Flow Table	17 – 24 cms.	

Note : Cubes cast were kept under resistant before testing to simulate site condition. Size of the cubes used 70.6mm 70.6mm x 70.6mm tested at 300° C  
Flexural Strength (BS 4551, 1998)

All prepared surfaces must be saturated with water several hours prior to grouting, ensuring it is free of any surface water or puddles.

#### Formwork

The formwork used must be leak proof to allow for the free flowing MAP - FLOOR GROUT (GP 2). The formwork should be arranged so that the grout head is maintained on the side above the level of the underside of the base plate. This will allow gravity flow to completely fill the void to be grouted. Formwork should be coated with form oil to allow easy removal of forms. Ensured adequate air holes are provided.





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## MIXING

Pour 4 litres of clean water into the mixing vessel for each complete 25 KG bag of MAP - FLOORGROUT (GP 2). Slowly add the MAP - FLOORGROUT (GP 2) to the water whilst continually mixing. Mechanical mixing is preferable using either a high torque slow speed drill with a Grout Stirrer or a grout mixer set on a slow speed. (High speed or colloidal mixing will cause thixotropy leading to loss of flow).

## PLACING

Grout should be placed within 20 minutes after start of mixing. Continuous placing is important, pouring from one side of the formwork until the grout appears at the opposite side of the grouting area. Do not disturb once grouting has been completed. GP Grout may be placed at temperatures between 5°C and 45°C. MAP - FLOORGROUT (GP 2) can be placed in thicknesses up to 100mm in a single pour when used as an under plate grout. For thicker sections it is necessary to fill out MAP - FLOORGROUT (GP 2) grout with well graded silt free aggregate to minimize heat buildup. Typically a 10mm aggregate is suitable. 50 - 100% aggregate weight of MAP - FLOORGROUT (GP 2) can be added. Any bolt pockets must be grouted prior to grouting between the substrate and the base plate.

## Curing

Placed grout which is exposed should be cured in accordance with good concrete practice including water spray and spray applied curing membrane.

## TOOLS & CLEANING

Tools and equipment can be easily cleaned with a clean water.

## PACKING & YIELD

MAP - FLOORGROUT (GP 2) grout is supplied in 25 kg single lined HDPE bags.

One bag (25 kg.) of MAP - FLOORGROUT (GP 2) will yield 12.5 litre sat pourable consistency & 13.3 litre at flowable consistency.

## QUALITY ASSURANCE

MAP PRODUCTS PVT LTD. is a firm of Assessed Capability. The company conform to the standard quality system, environmental management and is an ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 Certified Company.

## NON WARRANTY

The information herein is based upon the best information available at the time of printing. Data provided is intended for those having skill and ability to use products recommended in a safe and responsible manner. LIABILITY is limited to the cost of material proven to be defective. There is no warranty expressed or implied as related to any issue which is deemed to be a direct result of improper acts of others or acts of GOD, constant submersion in harsh environments, workmanship or applicator, or any other cause and effect which is not related to defective material.



CONCRETE  
ADMIXTURE



WATERPROOFING  
SYSTEM



MASONRY REPAIR



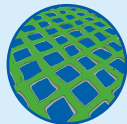
READYMIX  
MORTAR



ENGINEERING  
GROUT



FLOORING  
SYSTEM



TECHNICAL TEXTILE  
GLASS REINFORCEMENT



SEALANT



PROTECTIVE  
COATING



ADHESIVE  
BONDING AGENT

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