



Let's Build GREEN

AN ISO 9001:2015 CERTIFIED COMPANY

## MAP - FLOOR GROUT (GP 1)

General purpose, non-shrink, free flow cementitious grout

### DESCRIPTION

MAP - FLOOR GROUT (GP 1) is a ready-mixed, non-shrink, nonmetallic, flowable, economical structural grout. MAP - FLOOR GROUT (GP 1) contains a balanced blend of washed and graded silica sands, Portland cement, flow improvement compounds, and a shrinkage compensating system which produces a volume stable structural grout. MAP - FLOOR GROUT (GP 1) produces high early and ultimate strengths without intermediate or latent shrinkage. MAP - FLOOR GROUT (GP 1) 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 1) is used where non-shrink, high strength, structural, durable grout is required such as: precise machine bases, pump and equipment bases, structural columns, machine tools, compressors, and anchor bolts.

### ADVANTAGES

- Prepacked, In factory ensures consistency in supply requires addition of water to develop a free flow, non shrinking and high strength grout.
- Material shrinkage is off-set by expansion during green condition and later on by maintain original volume.
- Self leveling by nature.
- Easy placement and filling base of machinery .
- Non metallic and chloride free.

### INSTRUCTION FOR USE

#### Surface Preparation

Formwork should be erected and made grout-tight. The formwork must be designed with sufficient hydrostatic head to ensure grout flow into and across the grouting area. Saturate the grouting area with water , check for leaks, leave for 1 hour and then blow out any surplus water .

#### MIXING

Pour 4.75 litres of clean water into the mixing vessel for each complete 25 kg bag of MAP - FLOOR GROUT (GP 1). Slowly add the MAP - FLOOR GROUT (GP 1) to the water whilst continually mixing. Mechanical mixing is preferable using either a high torque slow speed Grout Stirrer. (High speed or colloidal mixing will cause thixotropy leading to loss of flow).

### TYPICAL PROPERTIES & SPECIFICATION:

Compressive Strength (BS 1881 : Part 116,1983 & ASTM C 1107)  
@ w/p ratio 0.19 (flowable)

Sr. No.	Properties	Specification
1.	Chloride Content	Nil as per BS:5075
2.	AGE IN DAYS	COMPRESSIVE STRENGTH
	1	15 N/mm <sup>2</sup>
	3	25 N/mm <sup>2</sup>
	7	32 N/mm <sup>2</sup>
	28	48 N/mm <sup>2</sup>
3	Unrestrained Expansion	1 – 4%
4	Consistency Life	20 minutes @ 30° C
5	Density	2100 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 70.6 mm x 70.6 mm x 70.6 mm tested at 300°C.

### 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. MAP - FLOOR GROUT (GP 1) may be placed at temperatures between 5°C and 45°C. MAP - FLOOR GROUT (GP 1) can be placed in thicknesses up to 100 mm in a single pour when used as an under plate grout. For thicker sections it is necessary to fill out MAP - FLOOR GROUT (GP 1) grout with well graded silt free aggregate to minimize heat buildup. Typically a 10 mm aggregate is suitable. 50 - 100% aggregate weight MAP - FLOOR GROUT (GP 1) 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.





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### TOOLS & CLEANING

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

### PACKING

MAP - FLOOR GROUT (GP 1) grout is supplied in 25 kg single lined HDPE bags.

### YIELD

One bag (25 kg.) of MAP - FLOOR GROUT (GP 1) will yield 13.7 litres at flowable consistency.

### SHELF LIFE & STORAGE

MAP - FLOOR GROUT (GP 1) has a shelf life of 6 months from date of manufacture when kept at a temperature between 5 C to 45 C and store in the original, unopened bags. All material shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze.

### 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



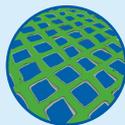
READYMIX  
MORTAR



ENGINEERING  
GROUT



FLOORING  
SYSTEM



TECHNICAL TEXTILE  
GLASS REINFORCEMENT



SEALANT



PROTECTIVE  
COATING



ADHESIVE  
BONDING AGENT

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