

Mapefill GP

Building Product Information Requirements Compliance Statement

Date: 28/11/2023 (version 1)

Product Name: **Mapefill GP**

Product identifier: **Mapefill GP**

Product Line

Mapefill GP is a single component, cement based, general-purpose, non-shrink grout used for grouting of voids in structural elements such as filling gaps in precast members, grouting base plates, anchoring of mechanical equipment etc. Mapefill GP complies with Part 6 of EN 1504.

Product Description

Mapefill GP is pre-blended, cement based, non-shrink grout with 1.2mm diameter graded aggregates, along with some additives and expansive agent. Mapefill GP is impermeable to water and has excellent adhesion to rebars and concrete and provides good resistance to dynamic and mechanical stress. It can be used for grouting thickness of up to 60mm.

Mapefill GP is available in 25 kg bags.

Please refer TDS for areas of use, performance parameters and application procedure for this product.

Alternatively request support at:

www.mapei.com/nz/en/technical-and-commercial-support

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WE SUPPLY THE FOLLOWING MAPEI GROUP BRANDS AND SYSTEMS:



Relevant Building Code Clauses

- B1 Structure
- B2 Durability
- C6 Structural Stability
- F2 Hazardous Building Materials: F2.3.1

Contributions to Compliance

- Mapefill GP meets all the main requirements defined by EN 1504-9 (“Products and systems for the protection and repair of concrete structures, definitions, requirements, quality control and conformity assessment. General principles for the use of products and systems”) and the minimum requirements claimed by EN 1504-6 (“Anchoring steel reinforcement”).
- A suitably qualified Structural Design Engineer should specify Mapefill GP based on grouting/anchoring requirements for the structure. Base plate grouting requires grout to have good expansion and flow characteristics in plastic state to overcome shrinkage and have an effective bearing area under base plate. Grout should be able to transfer the load from the metallic structure to concrete substrate, therefore the mechanical properties such as compressive strength and flexural strength should be higher than the mechanical properties of concrete substrate. Mapefill GP has expansion of up to 1% , good flow properties and compressive strength greater than 55 MPa at 28 days.
- As a cement based grout the durability of Mapefill GP is typically expected to be same as for concrete used in the same application.
- A Structural Design Engineer should review the NZ Building code clauses with reference to EN 1504-6, NZS 4210:2000 and NZS 3101:2006 to confirm compliance for each specific application.
- Mapefill GP has an A1 & A1_{FL} rating for Fire as per euro class EN 13501-1
- F2 Hazardous Building Materials: F2.3.1 –Mapefill GP contains a mix of cement, sand, expansive agents, and additives. When the product is being applied, it therefore has the same hazards as fresh concrete and appropriate health, and safety precautions should be undertaken. Once this product is set and hard Mapefill GP is a non-hazardous product and does not emit any harmful gases or substance.

Scope of Use and Design Requirements

- Specification of cement based non-shrink grout, Mapefill GP should be specifically undertaken by a qualified structural engineer after identifying grouting/anchoring requirements for the structure.
- Specification should comply with the requirements of EN 1504-6, NZS 4210:2000, NZS 3101:2006.
- A qualified structural Engineer should check and confirm the compatibility of the product with Building Components.

Conditions and Limitations of Use

- Mapefill GP can be installed in sections up to 60mm thick. For greater thickness, please contact MBP (NZ) Limited's sales team.
- Do not add cement or additives to Mapefill GP
- Do not add water after the product has started to set.

Supporting Documentation

The following additional documentation supports the above statements:

Mapefill GP - Technical Data Sheet (461-02-2023)

<https://www.mapei.com/nz/en/products-and-solutions/products/detail/mapefill-gp>

Mapefill GP - Safety Data Sheet (09/06/2021)

<https://www.mapei.com/nz/en/products-and-solutions/products/detail/mapefill-gp>

Contact Details**Manufacture location**

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Warnings and Bans

Mapefill GP is not subject to a warning or ban under section 26 of the Building Act 2004.

Version History

Version number	Written by	Reviewed by	Date issued	Changes from previous version
V1 28/11/2023	PM	PT	28/11/2023	New document