

Heidelberg Materials Multipurpose concrete

Technical data sheet

Heidelberg Materials Multipurpose Concrete is prepared by blending Heidelberg Materials Cement CEM II/A-LL 52.5N (to BS EN 197), with Regen GGBS (to BS EN 15167) and aggregates (0/4mm sand and 4/10mm coarse aggregate, conforming to BS EN 12620).

Heidelberg Materials Multipurpose Concrete meets the requirements of BS5838 and is factory produced to ensure the highest quality concrete.

Application

Heidelberg Materials Multipurpose Concrete can be used for paths, drives, foundations and general concrete work.

- Easy to use – just add water and mix well
- Saves time – quick and convenient
- Quality – Tested in line with Factory Production Control procedures.

Coverage

Recommended minimum thickness for concrete paths suitable for foot traffic is 75mm. For concrete driveways laid on well compacted foundations intended for vehicular traffic, 100mm is the recommended minimum thickness.

When mixed with water a MaxiPack20 will produce approximately 0.009m³ of concrete and cover:

- 0.12m² @ 75mm thick
- 0.09m² @ 100mm thick



Compressive strength

Approximately 25 Nmm² @ 28 days

Addition of other materials

Heidelberg Materials Multipurpose Concrete is a pre-packed concrete. The addition of admixtures is not necessary and could adversely affect the performance of the finished product

Hexavalent chromium (VI)

The soluble chromium (VI) content is limited to a maximum of 2ppm. The chromium (VI) content is determined in accordance with EN 196-10. The maximum shelf life of the product is stated on the bag.

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Instructions for use

- All surfaces to be worked should be free from oil, grease and any loose material. The area where concrete is to be placed should be prepared to prevent loss of moisture from the wet concrete.
- For best results, mix thoroughly using a mechanical mixer, empty the bag of Heidelberg Materials Multipurpose Concrete into the mixer and blend until uniform. Slowly add clean water until the desired consistency or workability characteristics are achieved.
- Alternatively, empty the bag of Heidelberg Materials Multipurpose Concrete onto a clean, flat moisture resistant surface, such as a mortar tray. Slowly add clean water until the desired consistency or workability characteristics are achieved, by thoroughly mixing with the aid of a shovel or similar.
- Please note: The contents of the bag may segregate during transport and handling. To ensure satisfactory performance, the entire contents of the bag should be mixed thoroughly. If only part of the bag is required at a time mix together the entire contents on a clean, dry surface. Return surplus to the bag or other suitable container.
- Avoid adding too much water whilst mixing as this will reduce the strength, affect the setting time, and overall durability of the concrete mix.
- For best results, use the concrete within 30 minutes of mixing with water. Protect newly laid concrete from the weather until fully hardened. Concrete strengths are improved by keeping the concrete damp during hardening.
- Application temperature: +5°C to +35°C.

Packaging and storage

- This product must be stored in unopened bags clear of the ground in cool dry conditions and protected from excessive draught.
- If stored correctly, as detailed above, the chromium (VI) in this product will be within required levels for up to 12 months from the date shown on the bag.
- Use of this product after the declared storage period, as detailed above, may increase the risk of an allergic reaction following direct contact with skin.
- Concrete MaxiPack20 comes in an easy to handle, fully waterproof all weather bag.

Health and safety

Cement causes skin, eye and respiratory irritation, severe burns and dermatitis. Always wear suitable personal protective equipment (PPE) and refer to the full Material Safety Data Sheet for further information.

Technical support and further information

Please refer to the Material Safety Data Sheet for full health and safety information

For further advice please contact Heidelberg Materials cement technical support on **0330 123 4525** or **cement@uk.heidelbergmaterials.com**

Further copies of this technical data sheet may be obtained from heidelbergmaterials.co.uk