

40N Concrete

Product guide

Heidelberg Materials 40N Concrete (C32/40) is prepared by blending Heidelberg Materials Cement CEM I 52.5N, evoBuild low carbon GGBS (formerly Regen) and aggregates (0/4mm sand and 4/10mm coarse aggregate). The blend of CEM I and GGBS produces the cement combination CEM III/A+SR which enhances sulphate resistance.

Application

Heidelberg Materials 40N Concrete can be used for a whole range of building projects requiring a concrete with high compressive strength.

Quality

Heidelberg Materials 40N Concrete meets the requirements of BS5838-1:2022 and is factory produced to ensure the highest quality concrete.

Coverage instructions for use

- All surfaces to be worked on 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 40N Concrete into the mixer and blend until uniform. Slowly add clean water until the desired consistency or slump characteristics are achieved.
- Alternatively, empty the bag of Heidelberg Materials 40N Concrete onto a clean, flat moisture resistant surface, such as a mortar tray. Slowly add clean water until the desired consistency or slump characteristics are achieved, by thoroughly mixing with the aid of a shovel or similar.

- 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 weaken, affect the setting time, and affect the 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. With approximately 2 litres of water, one bag of 40N concrete will yield approximately 0.008m³ of concrete at 100mm depth.

