

Low Carbon Cement

Product guide

Low Carbon Cement is a factory produced blast furnace cement manufactured to the requirements of BS EN 197-1 CEM III/A strength class 42,5L.

Heidelberg Materials Low Carbon Cement offers comparable performance to traditional CEM I cements with significantly less embodied CO₂.

Low Carbon Cement is suitable for use in all concrete, above or below ground or where sulphates are present even in high concentrations.

Applications

Heidelberg Materials Low Carbon Cement is suitable for use with a wide range of admixtures to extend the properties and uses of concretes, mortars, renders and screeds. It is recommended that trial mixes are carried out to determine optimum proportions.

Mix design and strength

Concrete mix designs need to be adapted to suit individual circumstances. 28-day concrete strengths using Heidelberg Materials Low Carbon Cement are similar to those obtained with other cements classified as 42,5N, however early-age strengths are likely to be lower. It is strongly recommended that trial mixes are carried out prior to commencement of work to ensure that the mix design and material combinations meet the requirements of the specification and method of use.

