

PORTLAND LIMESTONE CEMENT (CEM II/A-L 52,5N)



Portland Limestone Cement (PLC) is an interground cement with a typical limestone content of 8-12%. Thanks to this level of limestone PLC has lower embodied CO₂ than Ordinary Portland Cement (OPC).

PLC can be used on its own or in conjunction with other supplementary materials such as Fly Ash, Limestone and GGBS. The fresh properties of PLC produced concrete are similar to that of an OPC produced concrete.

Our cement range is quality-assured with third-party accreditation, and carries the UK CA Mark. We operate in compliance with an accredited ISO management system and all our products conform to BS EN 197-1.

FEATURES & BENEFITS

- ▶ More resistant to bleed with better cohesion & workability
- ▶ Improved surface finish
- ▶ Reduced alkali
- ▶ Can be used with admixtures and additives

APPLICATIONS

- ▶ Structural
- ▶ Readymix
- ▶ Precast
- ▶ Screeds
- ▶ Mortars
- ▶ Render
- ▶ Grouts
- ▶ Volumetric

STORAGE

Can be stored in a silo ready for use.

AVAILABILITY

Available in bulk loads delivered by tanker. Site must have suitable access for vehicles and a safe discharge point.

TECHNICAL DATA (TYPICAL PERFORMANCE)

Compressive Strengths (Mpa)	
2 day	31.0
7-day	47.0
28-day	58.0
Setting time (mins)	
	180
Declared mean Alkali content (%)	
	0.70
Declared maximum Chloride content (%)	
	0.09

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CONDITIONS OF USE

- ▶ It is essential to use the correct materials, proportion and mix the materials properly, add the correct amount of water, compact, cure and protect as appropriate.
- ▶ Holcim cannot be held responsible where workmanship has not been carried out in accordance with good practice.

GOOD SITE PRACTICE

- ▶ A risk assessment should be carried out before commencing any work.
- ▶ We recommend that trials are undertaken when using a new source of cement. Samples are available on request for trial work and technical support is also available.
- ▶ To maintain strength the water/cement ratio should be kept low and admixtures should be used to achieve the required workability.
- ▶ The use of cementitious additions e.g. Fly Ash and GGBS will affect overall strength and workability.
- ▶ Concrete should be placed by experienced contractors who have the correct training.

SUSTAINABILITY & LOCAL SOURCING

Energy use and greenhouse gas emissions

Holcim UK is at the forefront of sustainability and has committed to reducing both energy and greenhouse gas intensity 5% year-on-year.

Manufacturing location

Produced in the UK under strict environmental and social legislation, for local supply.

Circular economy

We improve resource efficiency through reuse, recovery and/or recycling of waste materials in our production processes. Plus, we minimise the generation of both hazardous and non-hazardous waste.

Responsible sourcing

Holcim UK was the first UK construction company to achieve accreditation to the BES 6001 Framework Standard for the Responsible Sourcing of Construction Products.

Holcim UK has achieved a 'Very Good' rating for major product groups. The BES 6001 standard assesses:

- ▶ Quality Management
- ▶ Environmental Management
- ▶ Health and Safety Management
- ▶ Greenhouse Gas Emissions
- ▶ Minimising Raw Material Usage
- ▶ Labour Practice
- ▶ Biodiversity
- ▶ Community Engagement

POLICIES

Holcim policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.holcim.co.uk.

COSHH DATA

Full COSHH data is available on request.

HEALTH & SAFETY

Contact between cement powder and skin or body fluids (e.g. eye fluids) may cause irritation, dermatitis or burns. Cement is classified as an irritant under the Chemicals (Hazard Information and Packaging) Regulations. Please refer to the product safety data sheet for full information.

TECHNICAL SUPPORT

Should you require information for this or any other product within the Holcim range, please contact our Customer Support team on **01455 288392** or email uk-cement@holcim.co.uk.

For technical support email cement.technical@holcim.co.uk. Alternatively, visit our website at: www.holcim.co.uk.

Holcim UK Cement

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