

ECOPLANET ENDURE (CEM III/A 42,5N)



With 30% less carbon than any other Portland cement currently available in the UK, ECOPlanet Endure offers the perfect combination of eco credentials and great performance.

ECOPlanet Endure is a CEM III/A 42,5N blast furnace cement ideal for applications that require enhanced resistance to sulfate and chloride ingress but also require relatively high early strengths. Designed for high exposure class concrete product manufacturing (precast market).

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

- ▶ Lowest CO₂ footprint factory blended cement available in bulk in the UK
- ▶ Resistant to sulphate attack
- ▶ Resistant to chloride ingress*
- ▶ Moderate heat of hydration
- ▶ Improves pumpability, placing and finishing
- ▶ Optimises water/cement ratio
- ▶ Improved workability retention
- ▶ Reduces the risk of bleeding in concrete
- ▶ Offering full range of sustainability profiles
- ▶ Supports most advanced sustainability building certifications from BREEAM to LEED

*Can be classified as CEM III/A+SR when used in accordance with BS 8500 and BRE SD1.

STORAGE

Can be stored in a silo ready for use.

APPLICATIONS

For all applications from complex infrastructure projects to home-building, engineered for concrete products with high durability requirements such as:

- ▶ Drainage products
- ▶ Piling work
- ▶ Wide potential range of applications (all exposure classes)

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)	
1-day	8
2-day	15
7-day	26
28-day	51
Setting time (mins)	230
Declared mean Alkali content (%)	0.65
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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