

PRE BLENDED BINDER

Lafarge Sustainacem



Lafarge SustainaCem® cement is a pre-blended sustainable binder for use in the concrete products market, providing over 15% reduction in embodied carbon when compared to CEM I 52,5N. Technical support available to manage transition.

Lafarge SustainaCem cement has been engineered to provide the market with one material to avoid the need for fillers and additions. It can be used in concrete products and concrete block paving. In semi dry applications it maintains the density and strengths giving comparable early age strengths against CEM I 52,5N. It can provide an advantage by only using one silo but you can use it the same as a CEM I blended with PFA or GGBS.

FEATURES & BENEFITS

- ▶ Pre-blended material with robust quality testing.
- ▶ Maintains density and finish of paving blocks for long lasting performance.
- ▶ Lighter in colour than a Lafarge Portland Cement (CEM I) easier to manipulate the colour pallet to achieve the best end result
- ▶ Can be used with various admixtures and additions.
- ▶ Reduced embodied CO₂.

TECHNICAL DATA (TYPICAL PERFORMANCE)

Compressive Strength (Mpa)	
1 Day	15.0
2 Day	25.0
7 Day	35.0
28 Day	40.0
Setting time (mins)	140
Standard consistency (%)	28.6

AVAILABILITY

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

APPLICATIONS

- ▶ Concrete block paving
- ▶ Building blocks
- ▶ Paving slabs
- ▶ Roof tiles

GOOD SITE PRACTICE

- ▶ A risk assessment should be carried out before commencing any work.
- ▶ It is recommended that trials are undertaken when using a new source of cement.
- ▶ Samples are available on request for trial work and technical support is available.
- ▶ To maintain strength the water/cement ratio should be kept low and admixtures can 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.

STORAGE

Can be stored in a silo ready to use.

SUSTAINABILITY AND LOCAL SOURCING

ENERGY USE AND GREENHOUSE GAS EMISSIONS:

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

RECYCLABLE: The product has a life expectancy of 60 or more years and is fully recyclable.

MANUFACTURING LOCATION: Produced in the UK, with locally sourced materials under strict environmental and social legislation, for local supply.

CIRCULAR ECONOMY: We will maximise reuse and recycle, with zero waste to landfill. 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: Aggregate Industries is the first company in the world to achieve accreditation to the BES 6001 Framework Standard for the Responsible Sourcing of Construction Products.

Aggregate Industries has achieved a '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

KEY AGGREGATE AND RECYCLED CONTENT

This product is substantially better for the environment than the equivalent primary virgin aggregate. Aggregate Industries are unique in being able to quantify this difference. Aggneo 40% uses a mixture of IBAA and reused track ballast making it a 100% recycled aggregate.

POLICIES

Aggregate Industries' policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.aggregate.com.

COSHH DATA

Full COSHH data on our Aggneo products is available on request.

HEALTH & SAFETY

Contact between cement powder and 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 Lafarge range, please contact our Customer Support team on **01455 288392** or email cementsales@aggregate.com

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

Aggregate Industries

Cauldon Plant, Yelsway Lane,

Stoke-On-Trent, Staffordshire, ST10 3EQ

Customer Support: cementsales@aggregate.com

Technical Support: cement.technical@aggregate.com

Tel: **01455 288392**

Visit: www.aggregate.com

The information contained within this publication was accurate at time of production. However, Aggregate Industries reserves the right to introduce modifications or changes to detail at any time without notice. No charge is levied for this publication or advice therein, and accordingly the company, its employees and authorised agents can accept no liability whatsoever, either indirectly or directly arising from the use of its products.