



HYDRAULIC ROAD BINDER

Lafarge Terracem



Lafarge Terracem Hydraulic Road Binder is a blend specially formulated for the use in soil stabilisation. Due to this level of blend Lafarge Terracem has lower embodied CO2 than CEM I 52.5N.

Lafarge TerraCem has been designed to strengthen existing onsite material without the need to import aggregates. It is specifically engineered to improve soils whilst offering the benefit of reduced embodied carbon in comparison to traditional stabilisation materials. Cement application rates typically vary from 2 to 5 percent by dry weight of the soil being modified.

FEATURES & BENEFITS

- ▶ Designated as a rapid hardening hydraulic road binder conforming to EN 13282-1 HRB E 4
- ▶ Manufactured using sustainable binder technology
- ▶ Lower embodied carbon than traditional stabilisation cements
- ▶ Uses in-situ materials without the need to import aggregates

AVAILABILITY

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

STORAGE

Can be stored in a silo ready to use.

TECHNICAL DATA (TYPICAL PERFORMANCE)

Compressive Strength (Mpa)	
1 Day	20.0
2 Day	30.0
7 Day	42.0
28 Day	50.0
Setting time (mins)	130
Standard consistency (%)	28.6

APPLICATIONS

- ▶ Rail
- ▶ Road
- ▶ Platforms
- ▶ Airports
- ▶ Harbours

GOOD SITE PRACTICE

- ▶ A risk assessment should be carried out before commencing any work
- ▶ It is recommended trials are undertaken when using a new type of cement. Samples are available on request for trial work and technical support is available.
- ▶ To maintain strength water/cement ratio should be kept low and admixtures should be used to achieve the required workability.
- ▶ Concrete should be placed by experienced contractors who have the correct training.

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

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