CemLime®

Making the Grey Greener

20% Reductions in CO_2

No Impact on Performance

CemLime is a locally sourced, supplementary cementitious material (SCM) that can **replace cement content by up to 20% in concrete**, producing a lower carbon cement without detriment to concrete performance.

After water, concrete is the most widely used substance on earth and is the source of approximately 8% of the worlds carbon dioxide emissions. Making the **impact of our new innovative product vast.**

Producing 1 tonne of cement emits 840kg of CO_2
Producing 1 tonne of CemLime® emits just 8kg of CO_2

Saving 1,000 kg of CO_2 is the equivalent of taking a car off the road for 6 months

Get in touch today and see how CemLime can help you achieve your environmental goals.

Email: sales@leiths-group.co.uk

Telephone: 01224 876 333

MPa (2022), UK Average CEM I , Environmental Product Declaration
Statista (2024), Carbon dioxide emissions from the manufacture of cement worldwide from 1960 to 2023.
DT GEN (2024), FloGas, Carbon Savings.

CemLime is already transforming our concrete mixes:

- Our Rigaflow Self Compacting Concrete uses up to 28% CemLime at a **$C0_2$ saving of 98kg/m³**
- Our C16/20 Concrete uses up to 20% CemLime at a **$C0_2$ saving of 31kg/m³**
- Our C28/35 Concrete uses up to 20% CemLime at a **$C0_2$ saving of 41kg/m³**
- Our Interlocking Blocks at 50 MPa use up to 20% CemLime at a **$C0_2$ saving of 78kg/m³**
- Our Solid Dense Blocks at 7.3 MPa use up to 20% CemLime at a **$C0_2$ saving of 27kg/m²**

CemLime® production is certified by BSI to ISO 9001
CemLime® has been conformity assessed to BS 7979

UKCA

We have obtained full UKCA Certification for CemLime. It conforms to BS 8500-2 for use in combination with CEM I Portland cement strength class 42.5 or higher conforming to BS EN 197-1 as a component of concrete, mortar or grout.

Please see the table below for further technical information.

Calcium Carbonate (CaCO3)	>75%	
Chloride	<0.1%	
Compressive Strength (1)	2 days:	≥ 10.0 N/mm²
	28 days:	≥ 42.5 and ≤ 62.5 N/mm²
Fineness	< 10.0%	retained 0.045mm sieve
Initial Setting Time (1)	> 75 minutes	
Soundess (1)	<10mm	

(1) CEM I Portland cement class 52.5 source Tarmac, Dunbar was used in laboratory testing to a 80% CEM I: 20% CemLime combination.