

A photograph of a light-colored concrete wall with green ivy leaves growing on the right side. The ivy leaves are vibrant green and have a characteristic three-lobed shape. The concrete wall is a light beige or off-white color. The overall composition is clean and modern, emphasizing sustainability.

cymment

CO₂-REDUCED CEMENT TECHNOLOGY

The pioneer in sustainable concrete

Think. Build. Sustain.

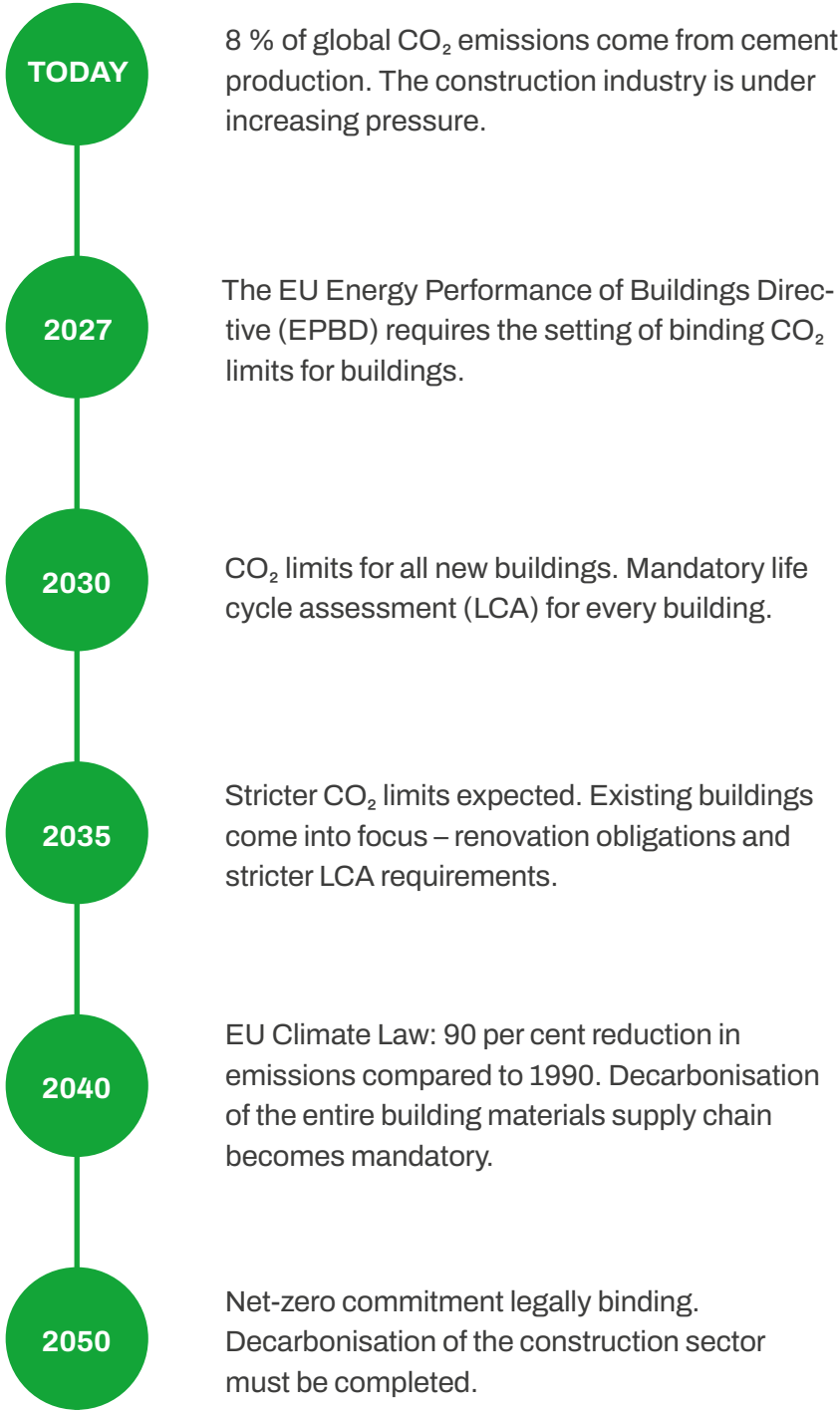
We are changing the way the world is built



The cement industry is responsible for 8 % of global CO₂ emissions. **cymen**t is committed to changing that – not with promises, but with tangible action. Our cement technology replaces the most climate-damaging component in concrete – clinker – with high-performance alternatives derived from the circular economy and volcanic raw materials.

Embedded in the ALAS Baustoff-Holding, we combine decades of industry and raw materials expertise with a spirit of innovation – setting new standards for sustainable construction at our plant in Mosonmagyaróvár.

The construction industry on the brink of its biggest transformation



95% less CO₂
Full performance
No extra cost

Our approach reduces the share of CO₂-intensive traditional cement in concrete and replaces it with climate-friendly, pozzolanic supplementary materials. The result is concrete with the lowest environmental footprint – industrially proven and ready to use immediately.

↘ 26.2
KG CO₂/T cement

EPD-verified in accordance with EN 15804+A2

↘ 50 %
REDUCTION IN EMISSIONS IN
CONCRETE

Concrete with less than 100 kg CO₂/m³ is possible

↘ 3 million
M³ OF CONCRETE PRODUCED

Tested in all areas of application

↘ up to 50 %
REDUCTION IN CLINKER POSSIBLE

Without compromising on quality

The effective mix for climate-friendly concrete

cymment is used as a hydraulically active binder directly within the existing mixing process – without any changes to the process and without the need for investment. Simply reduce the cement content and replace it with cymment.



No change is required
No risk
Just better concrete

DROP-IN SOLUTION Can be used directly in the existing mixing process – no need to adapt equipment or processes.

HIGH STRENGTH Full early and final strength, greater resistance to sulphates, frost and chlorides.

NO ADDITIONAL COSTS More cost-effective than conventional cement – with a significantly better carbon footprint.

HIGHER DURABILITY Denser concrete structure, reduced crack susceptibility, lower heat of hydration.

Europe's most modern processing and grinding plant

At our plant in Mosonmagyaróvár, **Cymen** is produced in a resource- and energy-efficient manner. Proven technologies, combined with state-of-the-art machinery – the highest quality with the lowest possible energy consumption.

From raw material to binder

Puzzolans – from latent hydraulic and secondary raw materials to the finished product in six steps.



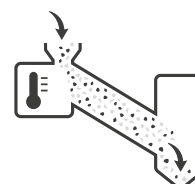
RAW MATERIAL

Delivery of climate-friendly raw materials



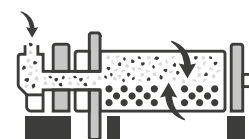
PREPARATION

Crushing and screening



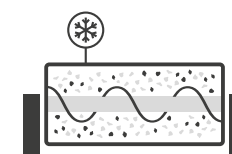
DRYING

Moisture reduction



GRINDING

Fine grinding to achieve optimal particle size distribution



COOLING

Temperature control



DELIVERY

Bulk in silos

The right solution for every requirement

MAXIMUM FLEXIBILITY



Binder | Type II admixture in accordance with EN 206

What is CYment ?
The pure binder – dosed independently at the concrete plant. The concrete manufacturer controls the mix themselves and can flexibly adjust the replacement rate to suit any application.

Who is it for?
Concrete engineers who want maximum control over their mixes. Ideal when strength, durability and carbon footprint need to be optimised on a case-by-case basis.

EASY TO USE



Ready-mixed cement. CO₂-reduced.

What is CYMENTEVO ?
A ready-to-use cement in which clinker and CYment are ground together. Used just like conventional cement – no mix adjustments, no additional dosing.

Who is it for?
Concrete producers who want to produce CO₂-reduced concrete immediately – without having to optimise their own mixes. Plug & Play for more sustainable concrete.

Versatile Suitable for any construction site

CYment is a Type II admixture in accordance with EN 206, suitable for all applications involving mineral building materials. Concrete production can be flexibly adapted to the respective application in order to specifically support the desired fresh, hardening, and hardened concrete properties.

BUILDING CONSTRUCTION From standard concrete to high-performance concrete – variable clinker replacement whilst maintaining full strength.	CIVIL ENGINEERING High ultimate strength, lower heat of hydration – structural frames, retaining walls, piles.	MASSIVE STRUCTURAL ELEMENTS Controlled heat development, reduced risk of cracking, extended service life.
ROAD CONSTRUCTION Slower strength development and structured crack distribution	PRECAST ELEMENTS Comparable workability. Very well suited for exposed concrete.	CONSTRUCTION PRODUCTS Mortars, adhesives, plasters: Reduced carbon footprint with precisely controlled properties.

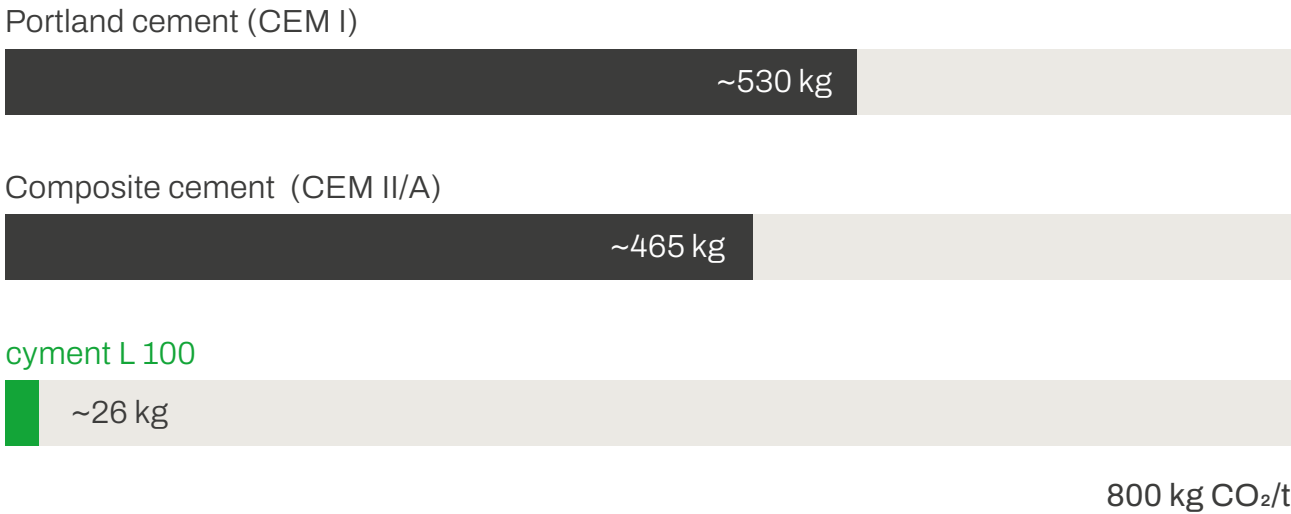
Tested Certified Verifiable

Our data is independently verified and publicly traceable. No green claims – only sustainability that can be proven.

- ETA
European Technical
Assessment
- BTZ
Building Technical Approvals
AT · HU · SK · CZ
- EPD
CO₂ Assessment
- ISO
9001, 14001, 45001

26.2 kg CO₂/t

GWP value for **cymment** – verified by IBO Vienna / Bau EPD GmbH



ONLINE TOOL

Concrete Calculator

Calculate your CO₂ savings in just a few clicks



Example: 1,000 m³ of concrete containing 30 % **cymment** saves:



3.630
trees
annual CO₂ absorption



17
fewer cars
on the road
– for a whole year



11
households
annual CO₂ neutralised

Concentrated expertise

In the building materials industry, quality assurance, research and development will in future be brought together under one roof: the **cymment** Technologies Center in Slovakia serves as a forward-looking innovation hub.

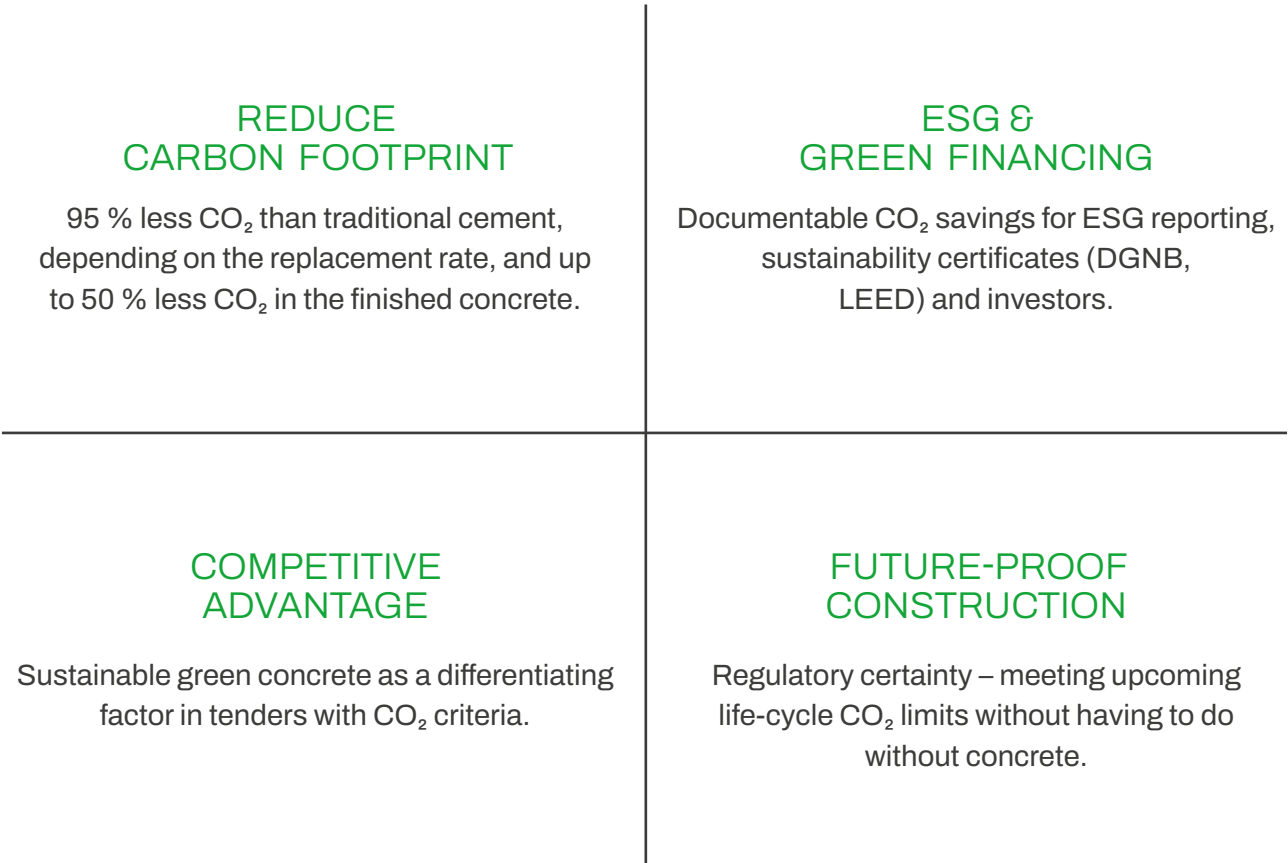
The centre brings together expertise in mineralogy, chemistry, mortar, cement, aggregate and binder testing, and concrete technology within a state-of-the-art laboratory and training facility.

Approved available in:



Sustainability that pays off

Whether you are a concrete manufacturer, architect, client or planner – **cymment** measurably improves your carbon footprint without compromising on performance, cost-effectiveness or certification reliability.



The background of the entire page is a photograph of a concrete wall, possibly part of a bridge or industrial structure, with a clear blue sky and some light clouds visible in the upper left corner. The wall has a rough, textured appearance with some visible joints and shadows.

cymment

For sustainable construction
with an optimised environ-
mental footprint

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