



The European Lime Association (EuLA) is the lime industry's unified voice and represents the industry's interests before the European Institutions.

Our 21 National Associations and 100 member companies (the majority of which SME's) represent circa 95% of the European lime production employing 11.000 people and contributing €2.5 billion to Europe's GDP.



CAPTURING CO₂ WITH LIME

Contributing to CO₂ reduction with carbonation

By the European Lime Association (EuLA)

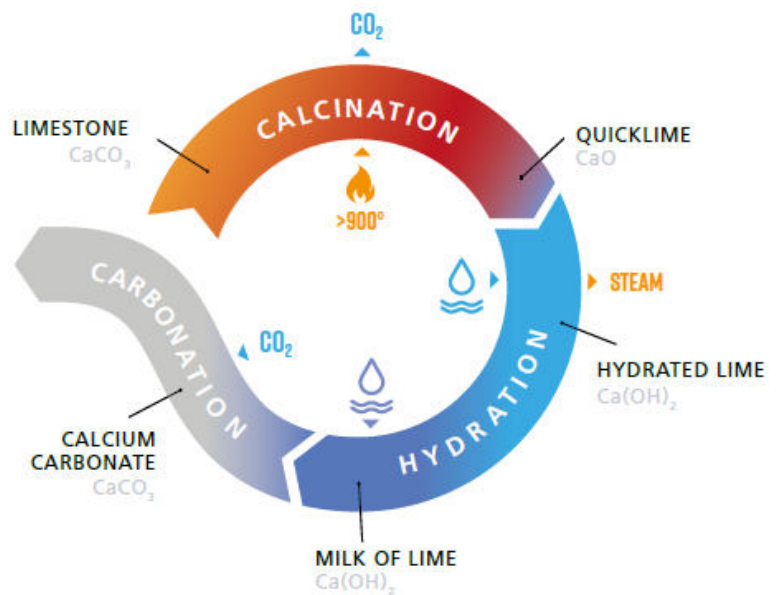
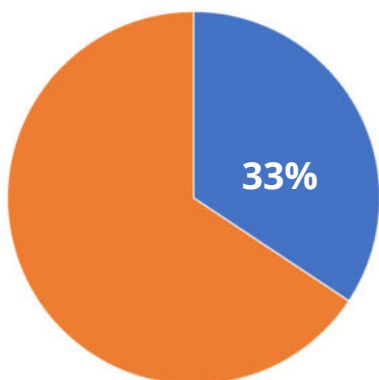
WHAT IS LIME?

Lime derives from a natural stone called limestone, composed almost exclusively of calcium carbonate.

Lime is manufactured through crushing, washing and heating (up to 1000°) the limestone.

This material is used in large quantities in a wide array of applications that we use in our daily lives.

Lime is an essential but often unseen product that is able to capture on average 33% of the amount of process CO₂ emitted during its production



CAPTURING CO₂

When lime is used in specific applications, such as in steelmaking, the purification of drinking water, flue gas cleaning, the production of paper, building materials and aluminium, lime can capture CO₂ in the process. This natural process is known as [Carbonation](#).

A study commissioned by the University of Milan (Politecnico di Milano) shows that up to 33% of the amount of process CO₂ emitted during its production is captured back in the use stage permanently.

While large differences exist when carbonation applies, 95% of the carbonation reactions occur within the first year. Furthermore, the CO₂ captured via carbonation is permanent.