



calumite.co.uk

Calumite[®] – an essential raw material for the glass industry.

- Reduce energy consumption
- Improve glass quality
- Reduce NO_x and CO₂ emissions



Calumite® has unique melting and refining properties which provide several benefits to glass producers.

The benefits at a glance

Calumite® is a simple way to improve glass quality and your impact on the environment. A calcium-alumino-silicate 99% glassy in nature, it's ideal for all types of soda-lime-silica glass production and has unique melting and refining properties.

Furnace efficiencies

Glass batches containing Calumite® melt faster – enabling you to lower your energy consumption, increase furnace pull and reduce furnace temperature – while maintaining glass quality.

2.5% – 3.6%*
Typical energy saving with
10% Calumite®

*Expressed as a percentage of the dry sand weight.

Glass quality

Using Calumite® will help you virtually eliminate seed and blister caused by excess residual sulphate. It will also help you reduce batch stones, without having to increase furnace temperatures, and improve redox control and colour stabilisation.



Sustainability

Calumite® is made from blast furnace slag, a by-product of the iron-making process. By partially replacing limestone, dolomite and alumina containing minerals, it reduces the need for quarrying raw materials and lowers process CO₂ emissions associated with carbonates. It also lowers CO₂ emissions associated with fuel combustion and cuts NO_x emissions by around 10%, by reducing the energy needed to melt the glass batch.

50%

Average seed count reduction with Calumite®

600kg – 700kg Overall CO₂ savings per tonne of Calumite® used

The perfect addition to your business

Calumite® is used around the world for float, fibre and container glass of all colours, from amber to cosmetic flint. Its glassy nature means it works a lot like cullet (recycled glass) and is a valuable source of all major glass making oxides – compatible with other raw materials and rigorously tested for quality and consistency.

Our experienced glass technologists can help you maximise the benefits of using Calumite® and provide on-site technical support.

Why not find out what Calumite® could do for you?

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Get in touch

We're here to help – wherever you are in the world

UK, Middle East, North Africa and East Africa

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