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证书	ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018
创建年份	1969
协会	Member: British Glass Manufacturers Confederation Society Of Glass Technology Glass Futures

## 联系人

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Contact 2.	女士 Leanne Gazi-Morwood Administrator
Contact 3.	先生 Steve Turgoose Plant Manager

## 产品/机械

### Introduction

Calumite is a glassy calcium-alumino-silicate, produced from granulated blast furnace slag. Calumite offers similar benefits to cullet with the additional benefits of a refining agent.

Calumite is used in all types of soda- lime-silica glass production and is used in all glass colours at between 1-4% (of dry sand weight) in extra clear flint and up to 30% in amber glass.

### Benefits of Calumite

**CO2 Reduction** - Limestone and dolomite is partial replaced, reducing process CO2 emissions by up to 400 kg per tonne of Calumite used. Combustion CO2 savings are also seen with savings of up to 300 kg per tonne of Calumite used.

**Energy Saving** - Calumite is 99% glass so behaves in a similar way to cullet with the associated energy saving benefits. Typically, between 0.25% and 0.36% energy savings per 1% Calumite addition. Calumite can also be used to reduce furnace temperatures or increase furnace pull.

**Glass Quality** - Improvements in glass quality are always seen when Calumite is introduced with seed reduction of up to 70% seen due to the fining process starting earlier in the furnace melt. Improved redox control and amber colour stability are also seen.

**Batch Simplification** - Calumite can remove the need for multiple raw material sources whilst improving colour stability and defect levels.

## 产品和背景

The operation in Scunthorpe supplies Calumite to the major UK glass manufacturers as well as exporting large quantities of material to glass makers around the world including the Middle East, Africa and South America.

Calumite s.r.o. supplies material within the Czech Republic and exports to Poland, Slovak Republic, Hungary, Romania, and Bulgaria. Besides these, Calumite s.r.o. can ship to other markets such as the CIS countries and Russia.

Both companies are ideally located to supply their respective markets with the UK enjoying an excellent road network and deep water port facilities, and the Czech Republic having railcar loading facilities on site.

### Company Profile of **Calumite Limited**

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