

## Glossary

<b>Allied</b>	Allied Glass Containers Ltd, a <b>glass container</b> manufacturer with plants in Leeds and Knottingley, which is a subsidiary of Associated British Foods plc.
<b>Anglo Pacific</b>	Anglo Pacific Group PLC: a company with mining and mineral interests in both the UK and Australia, and which owned both <b>FSS</b> and <b>Fife Resources</b> prior to their acquisition by <b>Sibelco</b> in September 2000.
<b>Beatson Clark</b>	Beatson Clark plc, a <b>glass container</b> manufacturer with plants in Barnsley and Rotherham.
<b>Blubberhouses</b>	Location of <b>silica-sand deposits/reserves/resources</b> in Yorkshire. The freehold and mineral rights are now owned by <b>Sibelco</b> , though the extraction rights are currently leased to <b>Hanson</b> .
<b>Borosilicates</b>	See <b>oven glass</b> .
<b>BS 2975</b>	British Standard 2975, which sets out methods for sampling and analysis of glassmaking <b>sands</b> : includes definitions of seven standard grades of <b>silica sand</b> for different glassmaking applications.
<b>Cullet</b>	Waste/broken glass used as raw material input in the manufacture of new glass products.
<b>Deposits (of sand)</b>	<b>Sand</b> found naturally in the ground, ie <b>reserves/resources</b> which have not been excavated.
<b>Fife Resources</b>	Fife Resources Ltd: a sister company of <b>FSS</b> .
<b>Flint-grade glass Sand</b>	Used for making clear (or colourless) <b>glass containers</b> from <b>silica sand</b> with a relatively low iron content.
<b>Float glass</b>	Flat glass used mainly for house/office windows, the cladding of buildings and motor car windows and windscreens.
<b>FSS</b>	Fife Silica Sands Ltd; a sister company of <b>Fife Resources</b> and a supplier of <b>silica sand</b> . Both companies were owned by <b>Anglo Pacific</b> prior to being acquired by <b>Sibelco</b> in September 2000.
<b>Glass containers</b>	Includes clear and coloured glass bottles, used for beverages of various types (wine, beer, spirits etc) and glass jars, often used for food products (jam, coffee, pickles etc).
<b>Glass sand</b>	<b>Silica sand</b> used for making glass and glass products.
<b>Hanson</b>	Hanson Quarry Products Europe Ltd, a <b>silica-sand</b> producer, which is a subsidiary of Hanson plc. The company trades as Hanson Aggregates.
<b>Hepworth</b>	Hepworth PLC: the owner of <b>HMC</b> prior to its acquisition by <b>Sibelco</b> .
<b>HMC</b>	Hepworth Minerals & Chemicals Ltd: formerly a subsidiary of <b>Hepworth</b> and until July 2000, <b>HMC</b> was the largest producer of <b>silica sand</b> in the UK. <b>HMC</b> was acquired by <b>Sibelco</b> in July 2000 and subsequently renamed as Sibelco Minerals & Chemicals ( <b>SMC</b> ). In this report the company is referred to as <b>HMC/SMC</b> .
<b>HMC/SMC</b>	See <b>HMC</b> .
<b>Hugh King</b>	Hugh King & Co, a <b>silica-sand</b> producer with a <b>quarry</b> at Hullerhill in Ayrshire.

<b>MPG 15</b>	Department of the Environment (now DETR): <i>Minerals Planning Guidance: Provision of silica sand in England</i> , September 1996.
<b>Oven glass</b>	Heat-resistant (or Pyrex) glass, which can be used for cooking food in an oven.
<b>Overburden</b>	The soil and rock overlaying <b>silica-sand deposits</b> which needs to be removed before the sand material can be extracted.
<b>Permitted reserves</b>	<b>Reserves</b> (of <b>silica sand</b> ) that have a valid planning consent for extraction.
<b>Pilkington</b>	Pilkington plc, the UK's largest <b>float-glass</b> manufacturer which has several plants in Merseyside.
<b>Quarry</b>	Location/site where <b>sand</b> /minerals are extracted from <b>deposits</b> in the ground by open-cast mining methods.
<b>Quartz</b>	The most common crystalline form of <b>silica</b> , the main constituent of <b>silica sand</b> .
<b>Quarzwerke</b>	Quarzwerke GmbH: the largest <b>silica-sand</b> producer in Germany. There are cross-shareholdings between <b>Sibelco</b> and Quarzwerke.
<b>Recycling</b>	Glass recycling: using used glass (ie <b>cullet</b> ) as raw material input for the manufacture of new glass products.
<b>Reserves</b>	<b>Resources</b> (of <b>silica sand</b> ) that have been fully evaluated on a systematic basis in terms of quantity and quality and are commercially viable to work.
<b>Resources (of silica sand)</b>	Natural accumulations of <b>sands</b> and sandstones that are, or may become, of potential economic interest for the extraction of <b>silica sand</b> . They will not have been evaluated on any systematic basis but will be present in sufficient quantity and have such physical and/or chemical properties as to be of intrinsic economic interest.
<b>Rexam</b>	Rexam Glass Barnsley Ltd, a <b>glass-container</b> manufacturer which is a subsidiary of Rexam plc.
<b>Rockware</b>	Rockware Glass Limited, a <b>glass-container</b> manufacturer with plants in Yorkshire, Nottinghamshire and Scotland, which is a subsidiary of Ardagh Plc.
<b>Royalties</b>	Payments made by a quarry operator under a lease agreement to the owner of the mineral rights, typically expressed as £X a tonne material extracted.
<b>Saint-Gobain</b>	The Compagnie de Saint-Gobain group of companies: a major <b>silica-sand</b> producer in France, and also the largest maker of flat/ <b>float glass</b> in France.
<b>Sand</b>	Grains/particles of worn-down rock. <b>Silica sands</b> may be used for glass manufacture.
<b>Sibelco</b>	SCR-Sibelco SA: a major global <b>silica-sand</b> producer, based in Belgium, and a main party to this inquiry.
<b>Silica (sand)</b>	Silica is silicon dioxide, which often occurs as <b>quartz</b> crystals and which forms the principal constituent of sandstone. <b>Sand</b> material suitable for industrial applications contains a particularly high proportion of silica and a low percentage of metallic compounds such as iron oxides and other impurities; and is one of the main raw material inputs to the manufacture of glass products.
<b>SMC</b>	Sibelco Minerals & Chemicals Ltd. See <b>HMC</b> .
<b>Tarmac</b>	Tarmac Northern Ltd, a <b>silica-sand</b> producer which is a subsidiary of Anglo American plc.

**United** United Glass Group Ltd: a major producer of **glass containers** in the UK, and also the owner and operator of a **silica-sand quarry** at Devilla in Scotland (near Edinburgh).

**WBB** Watts Blake Bearne & Company PLC: the largest producer of ceramic clays in the UK. **Sibelco** acquired majority ownership of WBB in 1998.