

Our Materials Outside

Our **low iron silica sands** are specially used to produce extra and ultra clear float glass to improve light transmittance and reduce the green tint inherent to standard glass.

Sibelco uses **secondary raw materials (sand and clay)** to form lightweight and fire-proof bricks that are used in the door that separates the cock-pit from the people in the cabin.

Sibelco **calibrated sands and gravels** are used in tertiary wastewater polishing to produce environmentally safe waste that is suitable for discharge as well as reuse.

Silica sand is a key material of concrete, contributing to its mass, consistency and strength.

Our **silica flour** optimises the melting rate of the glass batch to produce E-glass used in the windmill blades.

Our **high purity quartz (HPQ)** is used in the production of solar cells, and our low iron sands and dolomite are used to make the solar panel's glass cover. The low iron properties help to increase light transmission which maximises the level of electricity generation.

Mineral additives are used in agriculture and soil health, including magnesium, bentonite, calcium and other mineral mixes.

Chromite is the pigment of choice when producing green container glass.

Nepheline syenite is added to the wood coating of this bench to make it UV curable.

Sibelco minerals are added to animal feed help to ensure that livestock get the necessary nutrition for healthy growth.

Sibelco **calibrated sands** are used to retain suspended particles and generate clean swimming pool water.

The boarding of the swimming pool, which is made out of a plastic wood composite, is abrasion and weather resistant thanks to our **nepheline syenite**.

The paint used to mark roads and zebra crossings is wear resistant and retains brightness thanks to our **cristobalite**.

Sibelco provides fillers including recycled materials to provide high quality road surfaces that are durable and safe.

The world's best pitches rely on carefully selected **sands** for their construction (e.g. rootzones) and maintenance (top dressing).

Equestrian terrains rely on our **silica sand** to create the perfect surface for the horse and rider to perform at their best.

Car coating contains **nepheline syenite and barytes** for abrasion and chemical resistance.

Our **silica flour** is also used in the car manufacturing industry to produce E-glass which goes into several body-parts of the car to improve strength and resistance to impact.