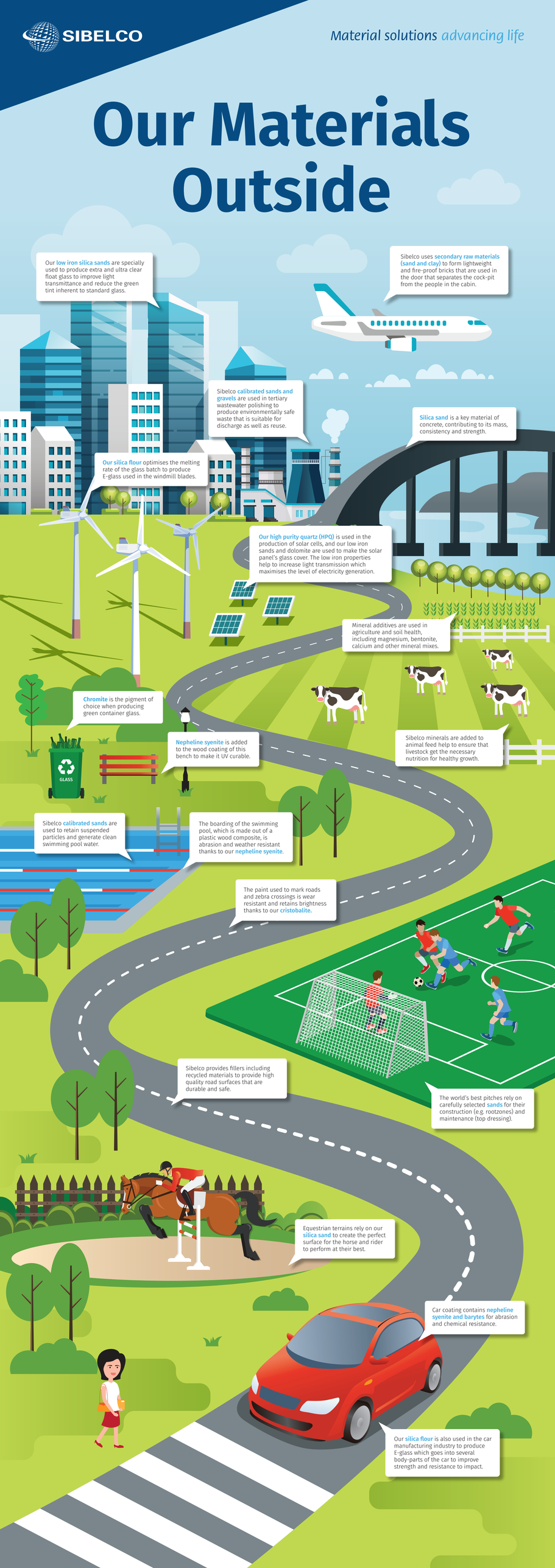
SIBELCO

Material solutions advancing life

Our Materials Outside



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Our Materials in the Home

Sibelco low iron sands are specially used in solar applications when high light transmission is required.

Sibelco clay provides different colour options for roof tiles and engobes (roof bricks).

Regardless of whether the roof is bitumen, EPDM, PVC or polyolefin based, it's flame retardant thanks to our **Alumina Trihydrate** (commonly referred to as **ATH**) which is incorporated into the materials.

Float glass producers rely on our **iron glass colorant** (Portafer) which is used in applications such as house windows.

Silica, cristobalite, huntite, feldspar, nepheline syenite or **wollastonite** are likely present in house paint. These materials give paint a coarse texture, prevent cracks, make them more stain resistant or easier to clean, and provide better coverage, so only one layer needs to be applied.

Sibelco manganese dioxide is the pigment of choice to produce black perfume bottles.

Sibelco ball clay is used to create large (3.2m x 1.6m) tiles, as well as smaller tiles, making them wider, whiter and stronger. Our **kaolin** is used to make ultra white tiles and our Feldspar is used as part of the formulation, together with low iron, to produce whiter tiles.

Some electronic parts in a TV, laptop or printer, as well as many electricity cables in a house, are likely flame retarded thanks to our **ATH** (Portflame).

Sibelco ball clay, is best for slip casting, which is used to make ceramic toilets, sinks and pedestals. Cornwood **kaolin** is also used as part of the recipe, (typically 25% ball clay, 25% kaolin)

Sibelco cristobalite provides superior polish ability, mechanical strength and whiteness to bathroom counters.

Sibelco glass grade dolomite is used in shower glass. Some of its benefits include controlled and low decrepitation levels, as well as low iron content, which is ideal for producing extra clear glass.

Sibelco feldspar is an excellent alumina bearer used in a variety of lighting. The low iron content delivers high brightness and the right granulometry reduces energy consumption.

'Silent' drainage pipes are made of polymers filled with **Sibelco barytes**. This means the downstairs neighbour doesn't hear the toilet flush from upstairs!

Spherical alumina is a thermal conductive filler for Thermal Interface Materials (TIM) which relases heat in consumer electronic items such as smartphones, tablets and laptops. **Spherical silica** improves the speed and functionality of these applications.

Sibelco's silica sand is supplied to display glass manufacturers to meet the complex needs in this market. These needs include increased size and strength, decreased weight, and a higher transmittance level.

The carpet or laminate flooring in a living room might be flame retardant thanks to the **ATH** added.

Sibelco cullet is used to significantly reduce the environmental footprint of making bottles. Chromite is the pigment of choice when producing green container glass.

Sibelco produces **cristobalite** which is used in the manufacturing of engineered stone for quartz kitchen countertops, giving them superior whiteness and strength.

Our **nepheline syenite** is a high alumina containing, alkali-rich alumina silicate. These materials provide excellent glass batch melting properties and increased control of viscosity for applications like glassware and tableware.

Sibelco calibrated sands and gravels are KIWA and ACS certified and used for water filtration to allow for high quality water suitable for human consumption

Our **petalite** is used in stove tops an is most valuable for its shock and heat resistance.

Facing brick colours are formed from **Sibelco oxides** (Manganese, Iron Oxides). Our **clays** provide the red colours for brick manufacturers.

Our **low iron dolomite** makes the car windscreen stronger and lighter

This household can sleep peacefully at night knowing the plastic electrical switchboard cabinet is flame retarded thanks to **Sibelco ATH** that is added to the polymers.