

Sustainable Design Guide



kvadrat soft|cells

Innovative, sustainable design

Patented Kvadrat Soft Cells combine sustainable design with a unique aesthetic and excellent functional performance. Whether used on ceilings or walls, Soft Cells offer a high degree of control over acoustics and thermal comfort.

Soft Cells are now available in three durable versions, all of which enable architects and designers to optimise the environmental quality of their projects: Soft Cells, Soft Cells Broadline, which offers Class-A sound absorption, and new Soft Cells Thermal. This latest version of Soft Cells features innovative 'Thermal Transparency' technology, and can be used in combination with thermally activated building systems (TABS), while still ensuring strong acoustic performance.

Importantly, thanks to their sustainability-focused design, Soft Cells support accreditation under the Leadership in Energy and Environmental Design (LEED) green building certification system when used as a building component.

Life cycle optimised for sustainability

Kvadrat Soft Cells are designed to minimise environmental impact. This focus on sustainability covers the entire life cycle of the product, from the manufacturing process to the flexibility and durability of the design.

Simple to install, easy to update

Modular Soft Cells have been developed to offer flexible solutions to diverse interior requirements. Quick to install, they can easily be taken down, reassembled and reupholstered to meet changing requirements. Importantly, the fabric can be changed, as often as needed, to reflect updated usage or design needs.

Built-to-last

Durable Soft Cells are based on an innovative and patented aluminium frame, with a concealed tensioning mechanism which keeps the surface of the fabric perfectly stretched. As a result, Soft Cells are not affected by humidity or temperature and stay looking good for years.

Made with recyclable materials

As many recyclable and renewable materials as possible are used in the manufacturing of Soft Cells. Over half the aluminium used in Soft Cells frames comes from recycled materials.

Environmentally conscious disposal

Thanks to their modular design, Soft Cells can be disassembled simply and quickly, which makes it easy to recycle the different components. Soft Cells customers have the opportunity to return component parts for recycling. All the waste aluminium from the manufacturing process is delivered to a recycling facility.

The cardboard used in Soft Cells packaging comes from 100% recycled materials. The transparent foil that Soft Cells are delivered in is PVC-free. Both the cardboard and the transparent foil are 100% recyclable.

Improved quality of life

Soft Cells offer many sustainable features, which combine to create an aesthetic and comfortable interior environment. In delivering this, they promote productivity and a sense of well-being.

Soft Cells can be used to regulate the following key environmental aspects of a room:

Acoustics

Soft Cells can be tailored to meet the full spectrum of acoustic challenges, whatever the size and function of the room in question. As a result, they are particularly relevant to today's architecture, which often features open-plan rooms that are vulnerable to acoustic smog.

Thermal Comfort

In buildings with thermally activated building systems (TABS), balancing acoustics and thermal comfort is a well-recognised challenge. New Soft Cells Thermal, which features 'Thermal Transparency' technology, has been designed to assist architects in controlling the interior temperature of such premises.

The innovative design of Soft Cells Thermal allows for the movement of thermal radiation and air. Importantly, this functionality is achieved without any significant reduction of acoustic performance. As a result, Soft Cells Thermal can optimise comfort and significantly contribute to reducing a building's energy consumption.

Soft Cells and LEED

Thanks to their sustainable design, Soft Cells support accreditation under The Leadership in Energy and Environmental Design (LEED) green building certification system.

The LEED system evaluates every aspect of the construction process and building components used in new and existing buildings: the main emphasis is on energy efficiency, conservation and the overall "health" of the building. The use of sustainable products, such as Soft Cells, contributes favourably to the overall rating of a building.

For instance, Soft Cells Thermal components assist in reducing HVAC energy costs. As a result, they can be used to get credit under LEED Energy and Atmosphere Credit 1 – Optimise Energy Performance.

Furthermore, due to the fact that Soft Cells can be upholstered with wool textiles – a highly renewable material – they can also be used to get credit under LEED Material and Resources Credit 6.0.

To find out more about Soft Cells LEED credit opportunities, please visit www.softcells.com/LEED













