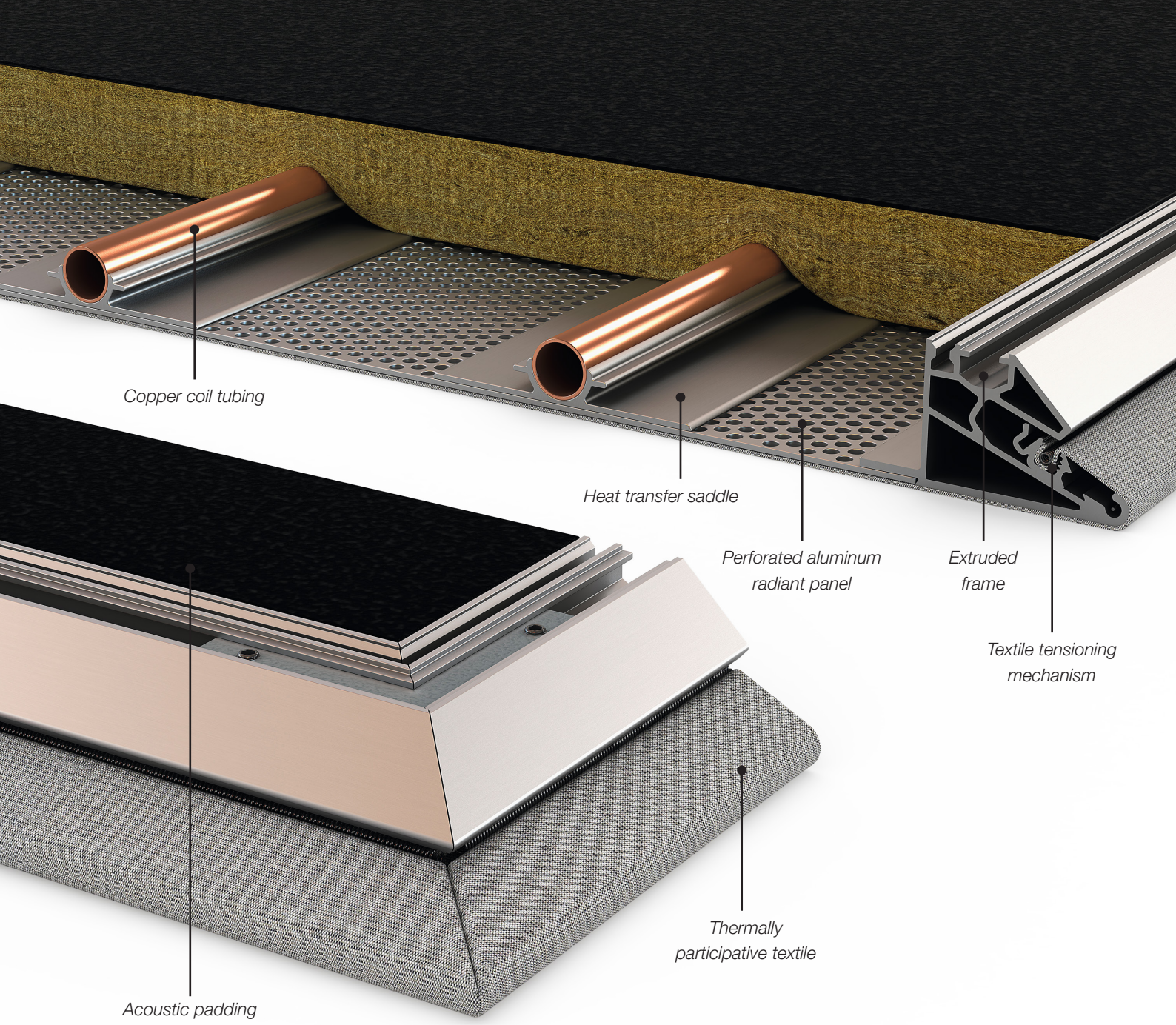
weave

RADIANT TEXTILE PANEL

PARC A Price Company

kvadrat soft cells



Developed in conjunction with Kvadrat Soft Cells, Weave radiant textile panels by PARC provide thermal and acoustic comfort as well as infinite design possibilities. Radiant panels function as part of a hydronic system to provide sensible heating and cooling for superior thermal comfort. Innovative textile technology allows the transmission of thermal radiation through the textile face to provide a unique aesthetic without compromising performance.

Superior Comfort

- Weave provides Class B acoustic performance, providing a high quality of acoustic comfort, enhancing productivity and well-being.
- Weave radiant panels contribute to a reduction in air volumes as part of the HVAC system, minimising draught risk and providing a low-noise solution for heating and cooling.
- Weave radiant panels alter surface temperatures and operative temperatures in a space, giving a holistic effect on thermal comfort, when compared to all-air solutions.

Sustainable Design

- Radiant panels are often selected as part of a sustainable design strategy. Hybrid air-hydronic systems require significantly lower supply air volumes than all-air systems, reducing fan power requirements by 60-80% resulting in a smaller, more efficient system.
- As a ceiling finish, Weave radiant textile panels also offer a number of benefits for designers seeking recongition under LEED, BREEAM or DGNB environmental certification schemes.
- Our frame is made with up to 74% recycled aluminum and our acoustic padding carries the Greenguard label, with every effort taken to reduce waste in our supply chains. Weave panels are designed to be a long-lasting solution, using a patented tensioning mechanism, which means they are unaffected by humidity and temperature. Moreover, they can be reupholstered and their components can be reused.

Typical Applications

- Available in custom shapes and sizes, Weave radiant textile panels are upholstered in Kvadrat textiles to provide colour and texture options for seamless integration with any design scheme. Capable of both heating and cooling, Weave can be applied to most spaces, especially those with high sensible loads, high indoor air quality requirements, or where thermal comfort and energy conservation are major design considerations. Typical applications include office buildings, schools, public buildings and airports that have 50-75% of the ceiling area active with radiant panels.
- Weave is a ceiling mounted solution, using a torsion spring mounting system, compatible with the Core system by PARC.

Optimal Heat Transfer

- Weave is made up of a number of layers, including: copper tubing, aluminum panels, and a textile panel face, all of which are kept in direct contact to optimize heat transfer between layers.
- Weave's aluminium saddle design and use of thermal paste ensures even and effective heat transfer.
- Our patented, thermally activated textile and tensioning system ensure that the full assembly is thermally conductive.

Aesthetic Options

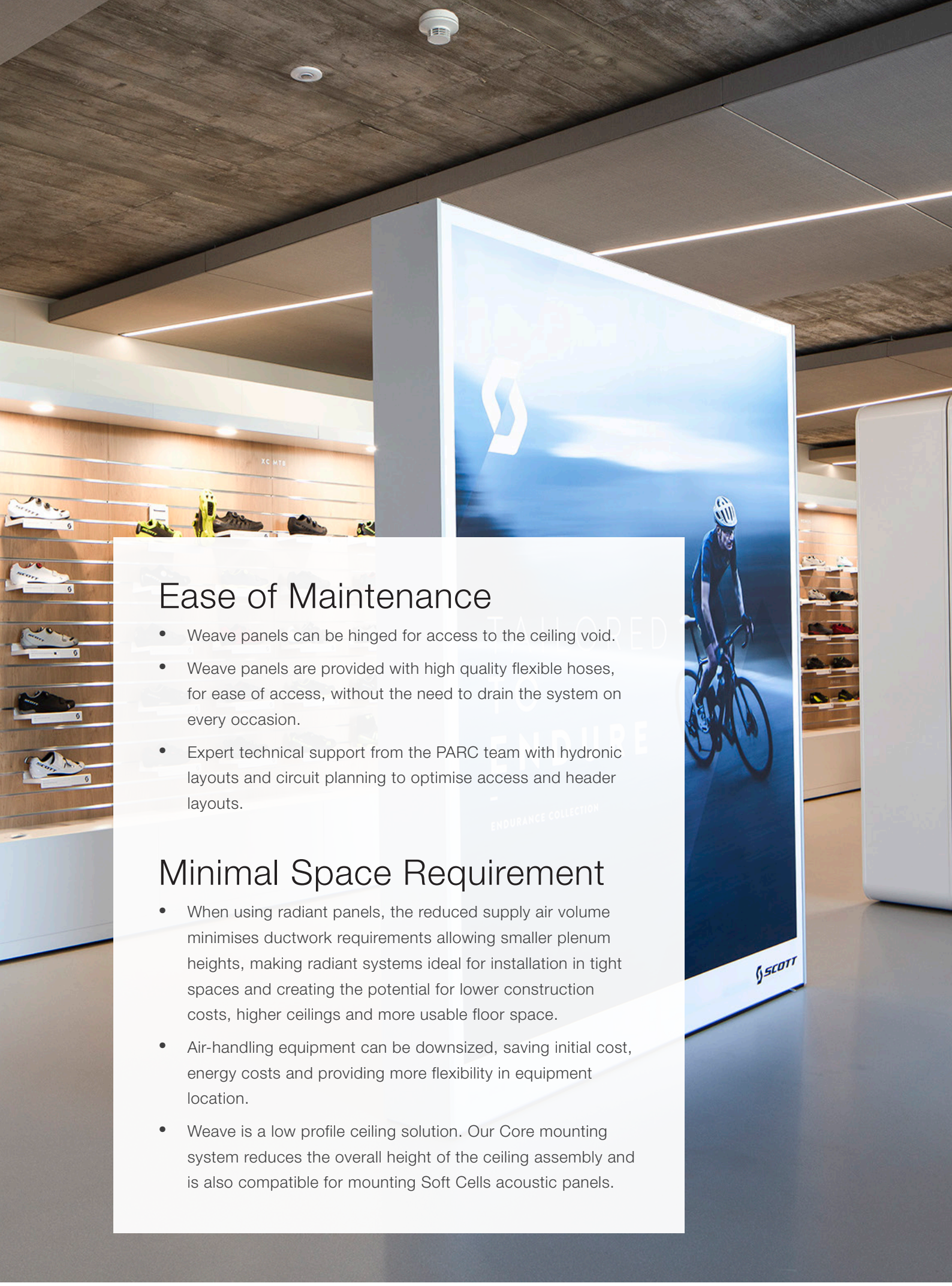
- Weave is available with many customization options including:
    - Four standard textile colour options, plus custom colours
    - Maximum standard size of a single panel 3000 mm x 1500 mm
    - Custom shape and size including flat curves
- Weave can be refreshed to meet changing interior requirements. Quick to install, each panel can just as easily be demounted, reupholstered and reinstalled.
- Weave radiant textile panels can easily integrate with other ceiling fixtures including Node by PARC for integration of lighting and other building services.
- Optional architectural end caps provide a finished look for applications with exposed edges.
- Weave and Kvadrat Soft Cell panels can be installed side by side with matching textile and appearance.

Custom Shapes

Torsion Spring Installation

Hinged Access

Architectural End Caps

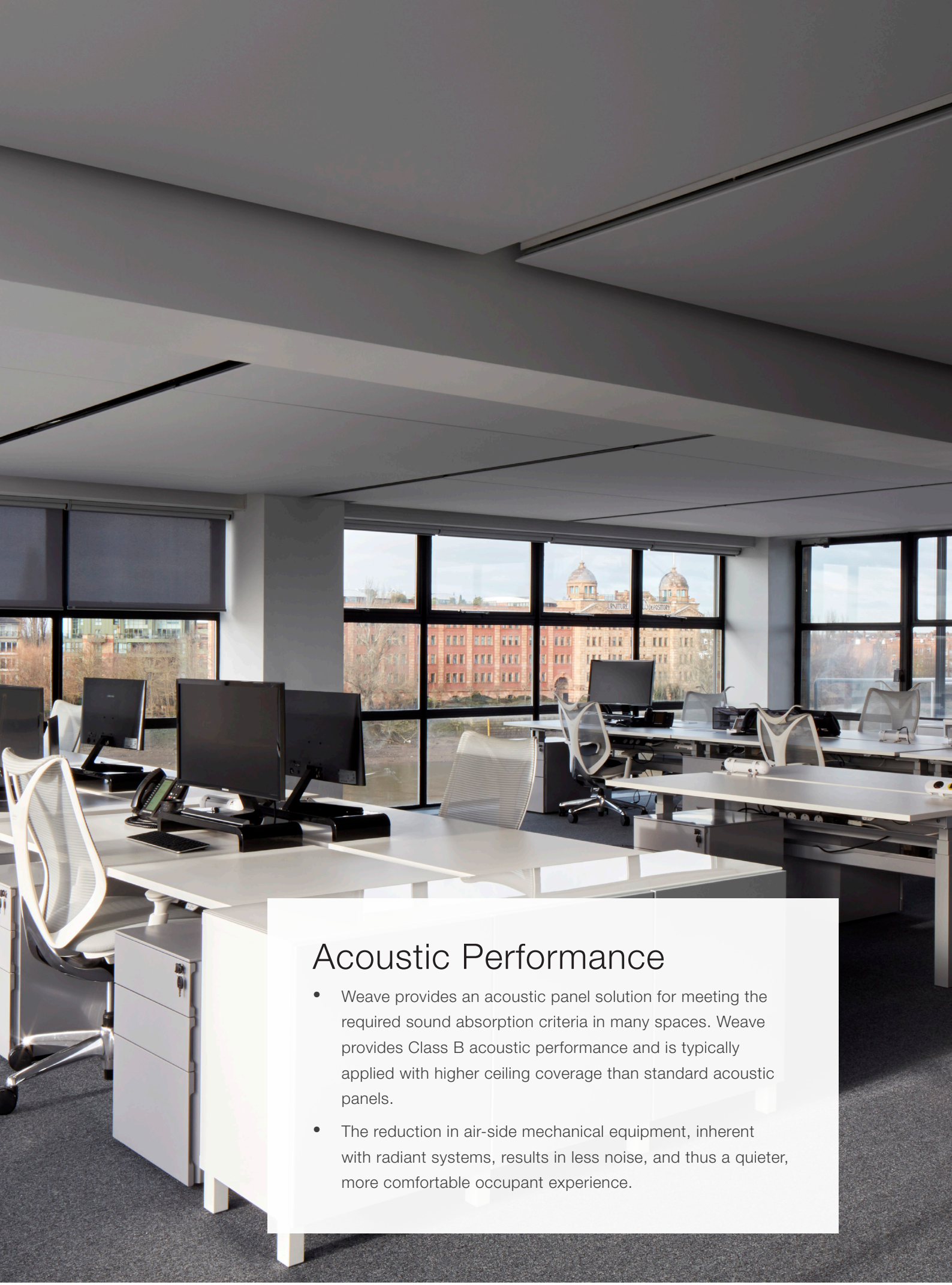


Ease of Maintenance

- Weave panels can be hinged for access to the ceiling void.
- Weave panels are provided with high quality flexible hoses, for ease of access, without the need to drain the system on every occasion.
- Expert technical support from the PARC team with hydronic layouts and circuit planning to optimise access and header layouts.

Minimal Space Requirement

- When using radiant panels, the reduced supply air volume minimises ductwork requirements allowing smaller plenum heights, making radiant systems ideal for installation in tight spaces and creating the potential for lower construction costs, higher ceilings and more usable floor space.
- Air-handling equipment can be downsized, saving initial cost, energy costs and providing more flexibility in equipment location.
- Weave is a low profile ceiling solution. Our Core mounting system reduces the overall height of the ceiling assembly and is also compatible for mounting Soft Cells acoustic panels.



Acoustic Performance

- Weave provides an acoustic panel solution for meeting the required sound absorption criteria in many spaces. Weave provides Class B acoustic performance and is typically applied with higher ceiling coverage than standard acoustic panels.
- The reduction in air-side mechanical equipment, inherent with radiant systems, results in less noise, and thus a quieter, more comfortable occupant experience.

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