

LEED V4.1

ID+C Interior Design & Construction

BC+C New Construction, Core and Shell, Schools, Retail, Data Centres, Warehouses and distribution centres, Hospitality and Healthcare



SAS International is committed to ensuring environmental best practice throughout the life of its products to ensuring minimum impact upon the global environment. To that end, we fully support clients and projects which look to obtain and achieve LEED V4.1 standards.

Set below are the key credits/areas that can be achieved or count towards in relation to specifying or installing SAS International Ceiling System.

Area / Credit, Function	Section	SAS Credit Support & Advice
EA Credit	Fundamental & Enhanced Refrigerant Management	SAS International Chiller beam/ceiling system using water as the heat transfer medium and not refrigerants. Heat is absorbed and removed from the occupied space as water flows through the system.
MR Credit	Construction and Demolition waste management planning	<p>All SAS International systems are designed to be disassembled for either re-use or for recycling. Our steel and aluminium Metal Ceiling systems are fully recyclable at the end of life. Both metals have a closed material loop and are recycled back into new steel or aluminium instead of a tertiary product.</p> <p>We seek to work with clients, designers and contractors at the earliest possible stages of a project to ensure the design requirements of client but also to ensure the design minimise waste both within the manufacturing process but also at installation. By adopting this approach we have reduced on-site installation waste to 3-5% and ensure any waste materials are managed into recycling systems</p>
MR Credit	Environmental Product Declarations	SAS International ceiling systems carry third party verified Environmental Product Declarations (EPD) to comply with ISO 14025 and EN15804. Our EDP's are per product/system type.
MR Credit	Building Product Disclosure and Optimization - Sourcing of Raw Products	<p>SAS International purchases all timber and wood based products for both our manufactured products and packaging from sources that have a commitment to supply material which originates from sources which offer either FSC (Forestry Stewardship Council) chain of custody, PEFC (Programme for the Endorsement of Forest Certification schemes) chain of custody or complies with the FSC standard for Non FSC Certified Controlled wood. It is our policy to avoid using any timber based materials that have been improperly harvested or derived from genetically modified trees, or from uncertified high conservation value old-growth forests. As holders of both FSC and PEFC certification, with supply of the appropriate materials, we are able to provide full chain of custody upon request.</p> <p>The recycled content of our steel ceiling systems vary from 20% to 25% subject to availability of recycled materials within the global market at time of purchase. The average recycled content can further be broken down into 18% pre-consumer and 6% post-consumer scrap metals.</p> <p>Our aluminium systems have circa 40-60% recycled content subject to availability of recycle materials within the global markets at time of purchase/manufacture. As part of our chilled and radiant beam systems we use copper tubing, which is using up to 97% recycled materials subject to global markets and availability. SAS International Acoustic Infills are manufactured using mineral wool, which is 100% recyclable so no mineral wool should enter landfill at the end of life.</p>
MR Credit	Building Product Disclosure and Optimization - Material Ingredients	<p>SAS International are able to provide Health Product Declarations (HPD's) for ceiling systems, product and associated components using HPD open standard v2.1. SAS International is committed to membership of UN Global Compact – Communication in Progress and provides annual Corporate Sustainability Reports (CSR) based on the 11 principles of UN Global Compact.</p>

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EQ Prerequisite (Schools only)	Minimum Acoustic Performance	SAS International metal ceiling systems and partition system have been designed to offer significant impact in managing acoustic performance within buildings. We have extensive experience of meeting acoustic requirements and standards. Our range of ceiling systems can provide up to 1.0 α_w / Class A acoustic absorption and up to 54dB acoustic attenuation.
EQ Credit	Minimum Acoustic Performance	
EQ Credit	Low Emitting Products	<p>SAS International ceiling system have products have been tested in line with ISO 16000-9 for VOC's</p> <p>SAS International Metal Ceiling Systems including acoustic pads have been tested to Eurofins Indoor Air Comfort Gold Label version 5.2 in accordance with ISO 16000-9. The test confirmed SAS International metal ceiling systems emit very low levels of VOC's (< 5ug/m3).</p> <p>Furthermore, SAS Ceilings are finished with an electrostatically applied powder coat finish and produces zero or near zero VOCs during manufacture or use. SAS Metal Ceiling system are classified E1 for release of Formaldehyde in accordance with BS13964:2014 (annex E).</p>
EQ Credit (Core & Shell only)	Daylight	SAS International metal ceiling systems may help contribute towards this credit. Our powder coated ceilings finished in white provide up to 86.07% light reflectance dependant on paint colour and perforation pattern.

Environmental Accreditation/scheme compliance

The information contained within this document only provides guidance of SAS International products and services performance in relation to any environmental/green/sustainable accreditation schemes/system requirement. SAS International would strongly recommend that all potential qualify/guidance data is reviewed and confirmed suitable by qualified and experienced environmental/sustainability assessment professional. SAS International does not accept responsibility for the consequences of deficiency in product or service performance in from those described within this data sheet.

SAS International reserves the right to review, alter or amend, remove published data without notice as our policy is one of constant improvement. The information contained in this data sheet is believed to be correct at the date of publication. Whilst SAS International will endeavour to keep its publications up to date, readers will appreciate that between publications there may be pertinent changes in the law, or other developments affecting the accuracy of the information contained in this data sheet.