

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 SKA 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
<b>Materials</b>	<b>M10 Ceilings</b>	<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.</p> <p>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.</p> <p>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> <p>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.</p>
<b>Materials</b>	<b>D20 Timber</b>	<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>
<b>Materials</b>	<b>D81 Responsible Sourcing</b>	<p>All SAS International factories are assessed by BSi and have achieved ISO 14001 accreditation. The following EMS numbers apply:                      SAS Architectural Metalwork: EMS 504170                      SAS Metal Ceiling Systems: EMS 504170                      SAS Room Comfort Products: EMS 504170                      Copies of the ISO 14001 certificates are available on request.</p>
<b>Materials</b>	<b>M04 Insulation</b>	<p>As part of SAS ceiling system we use a mineral wool based acoustic material which has a recycled content of 75% and also is 100% recyclable after use/life. We are happy to supply certification from our supplier if required. We are also able to provide EDP's from our supplier under this requirements</p>
<b>Materials</b>	<b>M14 Paints &amp; Coatings</b>	<p>All SAS International standard ceiling systems have third party verified Environmental Product Declarations (EPD) to comply with ISO 14025 and EN15804. We are also able to provide EDP's for our supplier under this requirements.</p>
<b>Materials</b>	<b>D83 Total materials with EPD</b>	<p>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.</p>
<b>Pollution</b>	<b>D22 Low GWP</b>	<p>As part of SAS ceiling system we use a mineral wool based acoustic material which has a GWP of 0.</p>

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Pollution	<b>D23 Low impact refrigerants</b>	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.
Pollution	<b>D60 Designing out waste</b>	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
Pollution	<b>D13 Reducing ceiling system waste</b>	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.
Pollution	<b>D73 Reducing Packaging waste</b>	As part of our continuous improvement programmes, we are able to offer returnable and reusable packaging system for our standard ceiling product to meet client/project requirement.
Well Being	<b>D28 Thermal Comfort assessment</b>	SAS International radiant and chilled ceilings system can form part of low energy and carbon strategy to enhance thermal comfort by maintaining internal temperature within comfort zone of 19deg C to 24deg C
Well Being	<b>D29 Acoustic Design</b>	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 $\alpha_w$ / Class A acoustic absorption and up to 54dB acoustic attenuation.
Well Being	<b>D30 Light Design</b>	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
Well Being	<b>D63 Low VOC Finishes</b>	SAS International ceiling system have products have been tested in line with ISO 16000-9 for VOC's 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). 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).

## 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.

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