An increasingly popular material option, mesh is an ideal choice to achieve contemporary design aesthetics and is an alternative option to exposed soffit. Across commercial, transportation, retail, leisure and educational sectors, we work directly with architects, designers and contractors to meet the desired aesthetic and functional needs of the project.

SAS Mesh has a wide range of pattern and finish options and can be manufactured to the specifiers shape and design.

System Features
Specified for its textured appearance, the additional main features of SAS International mesh panels include:

- Compatible with multiple SAS systems
- Available in six patterns and the full range of RAL colours
- Incorporates M&E services and complex building layouts
- Adjustable to bespoke designs

Tile Shape & Design
Mesh can be designed and manufactured in a wide range of patterns including profiles that are round, square, diamond and hexagonal.

For best results and to maximise the strength of the material, mesh should be specified with the long-way pattern direction across the tile width.

Specification considerations for mesh include:

- Visible face ("A" face as standard)
- Open view orientation
- Longway direction (across width as standard)
- Pattern selection
- Finishes and integration requirements

Bespoke Designs
Non-standard, bespoke options can also be manufactured to specification. Please contact our technical design team for more information on bespoke mesh patterns and applications, access, security, service integration and load support.

Finishes Availability
- Coating – Polyester powder coat
- Colour – Available in a full range of RAL PPC

Lighting and Integration
Various effects can be achieved using light location. From discreet illumination to bold up-lighting, the expanded metal provides multiple possibilities.

Like other suspended metal ceilings, the system can also be designed with cut outs for lights and sensors. For precise and secure integration, flanged lights and vents are recommended and should be independently supported.

Texture (A and B side)
The mesh manufacture process results in the material having a different appearance depending on which face is visible. Tiles are manufactured with the "A Face" visible as standard but if desired the "B face" could be specified as the finished face.

The "A" side of the tile is smoother with more gentle curves while the "B" side has a more pronounced texture. Depending on aesthetic preference, specifiers will need to choose their preferred visible face.

Acoustic Performance
Acoustic pad is optional (16x80Kg/m³ density mineral-wool pad tissue wrapped).

Other acoustic treatments are available, depending on project requirement. Please contact our technical department for more information.

Storage and Handling
Full PPE must be worn due to the nature of mesh.
Mesh | Overview

Orientation
Mesh is an excellent architectural material because of its textured surface providing depth and visual interest. The appearance of mesh changes when viewed from different angles defined as ‘open view’ and ‘closed view’. The ‘open view’ allows light to pass through the gaps while the ‘closed view’ reflects light on the surface depending on the viewer’s perspective.

**LW** Long Way
**SW** Short Way
**S** Strand Width
**T** Strand Thickness
**MT** Mesh Thickness

Compatible Systems
SAS systems compatible with mesh are:
- SAS130
- SAS200 and SAS205
- SAS320 and SAS330
- SAS600 rafts

<table>
<thead>
<tr>
<th>Name</th>
<th>Reference</th>
<th>System Compatibility</th>
<th>Pattern Sw (mm) LW x SW – S x T</th>
<th>Open Area % (approximate)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Celtic</td>
<td>SAS-DL</td>
<td>130 200/205 320 330 600</td>
<td>43 x 13 – 2.5 x 1.5</td>
<td>60%</td>
</tr>
<tr>
<td>Tene</td>
<td>SAS-DML</td>
<td></td>
<td>28 x 10 – 2 x 1.5</td>
<td>55%</td>
</tr>
<tr>
<td>Brig</td>
<td>SAS-DM</td>
<td></td>
<td>16 x 8 – 2 x 1</td>
<td>50%</td>
</tr>
<tr>
<td>Tara</td>
<td>SAS-DS</td>
<td></td>
<td>10 x 5.8 – 1.5 x 1</td>
<td>47%</td>
</tr>
<tr>
<td>Kells</td>
<td>SAS-HM</td>
<td></td>
<td>15 x 6.5 – 1.3 x 1</td>
<td>63%</td>
</tr>
<tr>
<td>Vix</td>
<td>SAS-HS</td>
<td></td>
<td>10 x 5 – 1 x 1</td>
<td>58%</td>
</tr>
</tbody>
</table>

Non-standard, bespoke options can also be manufactured to specification. For more information on bespoke mesh patterns and applications, please contact our technical design team.
Mesh | Overview

**Celtic**
Reference: SAS-DL
Size (mm): 43 (LW) x 13 (SW) – 2.5 (S) x 1.5 (T)

**Tene**
Reference: SAS-DML
Size (mm): 28 (LW) x 10 (SW) – 2 (S) x 1.5 (T)

**Brig**
Reference: SAS-DM
Size (mm): 16 (LW) x 8 (SW) – 2 (S) x 1 (T)

**Tara**
Reference: SAS-DS
Size (mm): 10 (LW) x 5.8 (SW) – 1.5 (S) x 1 (T)

**Kells**
Reference: SAS-HM
Size (mm): 15 (LW) x 6.5 (SW) – 1.3 (S) x 1 (T)

**Vix**
Reference: SAS-HS
Size (mm): 10 (LW) x 5 (SW) – 1 (S) x 1 (T)
Mesh

St Patricks College

Location
Dublin, Ireland
Architect
RMJM and Taylor Architects
Contractor
JJ Rhatigan
Purpose
Education
Mesh

Hubspot

Location
Dublin, Ireland

Architect
Henry J Lyons

Contractor
Sonica

Purpose
Commercial
Mesh

Location
Glasgow, Scotland

Architect
Michael Laird Architects

Contractor
ISG Plc

Purpose
Commercial
Mesh

Location
Manchester, UK

Architect
Space Invader Design

Contractor
ARDMAC Performance Contracting Ltd

Purpose
Commercial

Bauhaus

Mesh
Mesh

One New Change

Location
London, UK
Architect
Jean Nouvel with Sidell Gibson Architects
Contractor
Lendlease
Purpose
Retail
Mesh

Location
London, UK

Architect
Buckley Gray and Yeoman

Contractor
Collins Construction Plc

Purpose
Commercial

21 Soho Square
SAS Plus offers the system designer access to SAS’ in-house design team to collaborate on bespoke ceiling specification. Systems can be variants of standard SAS offerings, or completely bespoke designs. Call us for more details.

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