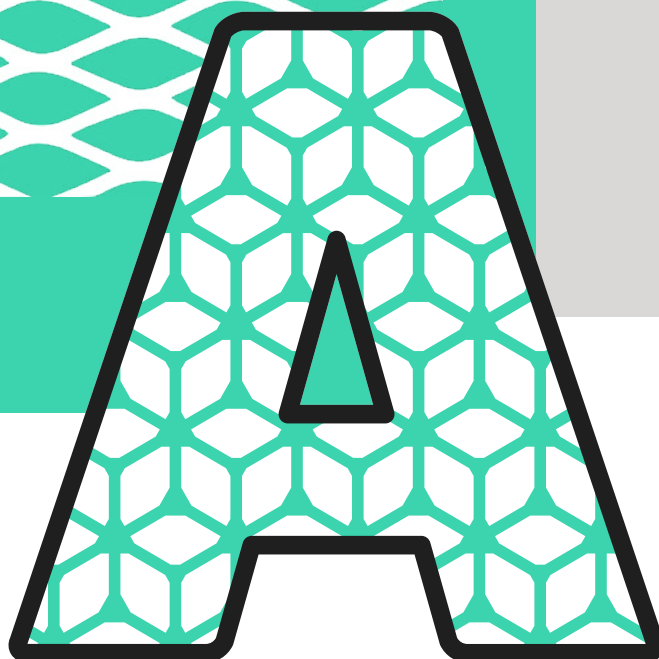


# EXPANDED MESH

TECHNICAL INFORMATION



[info@amronarchitectural.co.uk](mailto:info@amronarchitectural.co.uk)

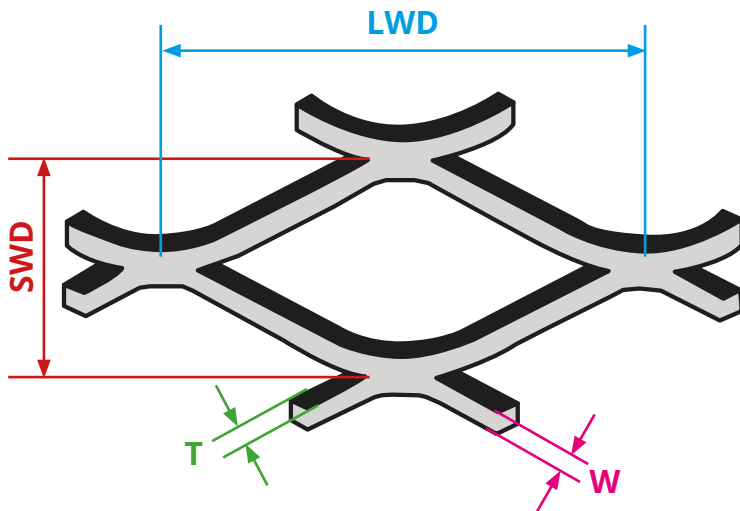
01795 228 583

9-10 The Foundry Business Park,  
Seager Road, Faversham,  
Kent, ME13 7FD

## Technical Information

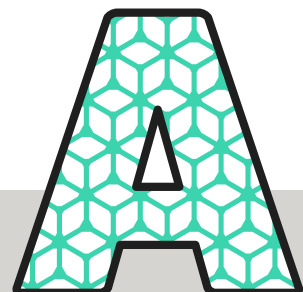
In the following pages, you will find detailed technical information on expanded metal, such as terminology, open areas, visible faces, orientations and tolerances. You will also find descriptions of various raw materials and surface treatments used on Expanded Mesh products.

## Characteristics



Type	Zircon
LWD	Long Way Dimension (mm)
SWD	Short Way Dimension (mm)
W	Strand Width (mm)
T	Thickness (mm)
%	Open Area Ratio

Expanded Mesh products can be manufactured in any desired pitch size, hole size and thickness. As well as our standard expanded mesh products, we can also develop expanded mesh products bespoke to your project.



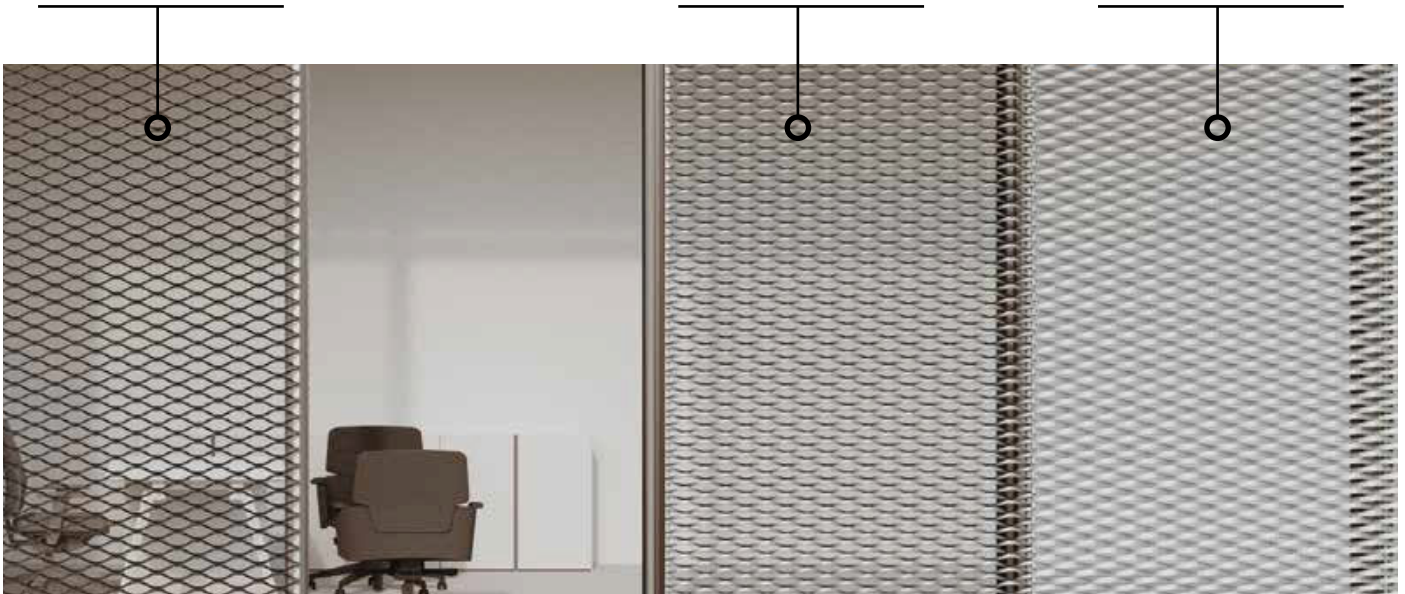
## The Relation between Expanded Mesh and Light Permeability

Expanded Mesh create surfaces that reflect light and allow for light permeability. The images below reflect the varying visual impact of expanded mesh surfaces with different open area in both indoor and outdoor spaces. In addition to their appearance under sunlight, expanded mesh surfaces can also be illuminated in different directions to generate contrast between light and dark for a unique textural impact.

**Open Area Ratio**  
**60%**

**Open Area Ratio**  
**40%**

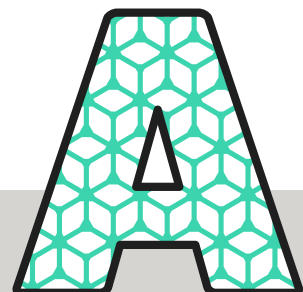
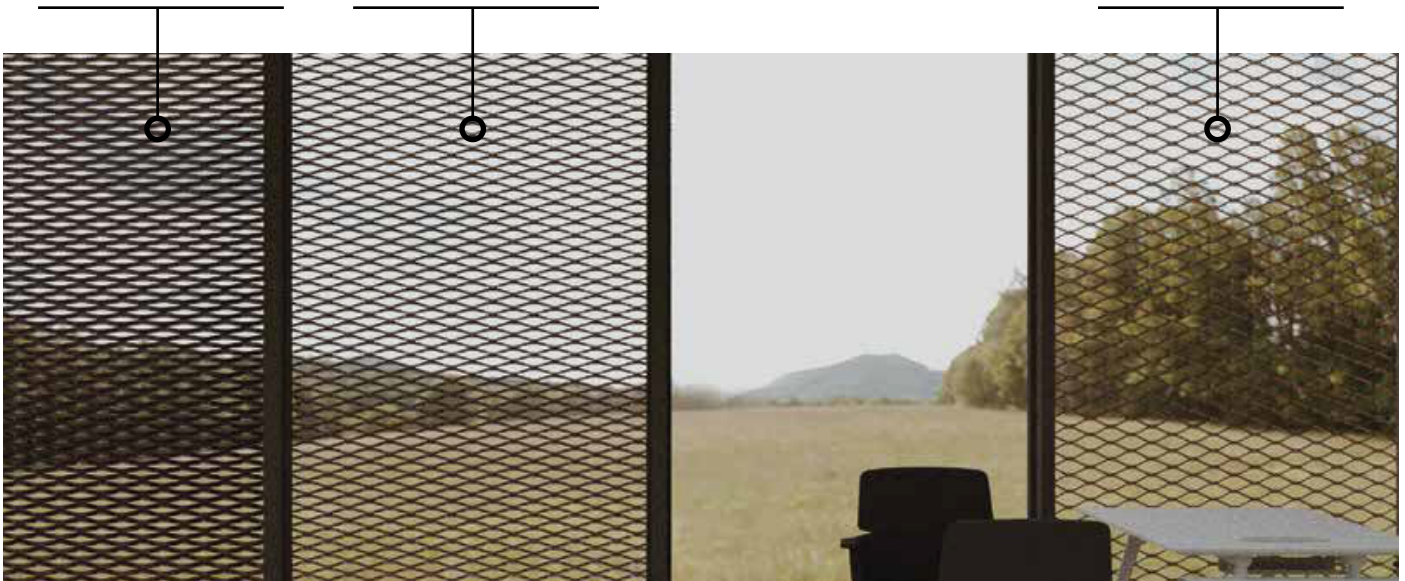
**Open Area Ratio**  
**20%**



**Open Area Ratio**  
**20%**

**Open Area Ratio**  
**40%**

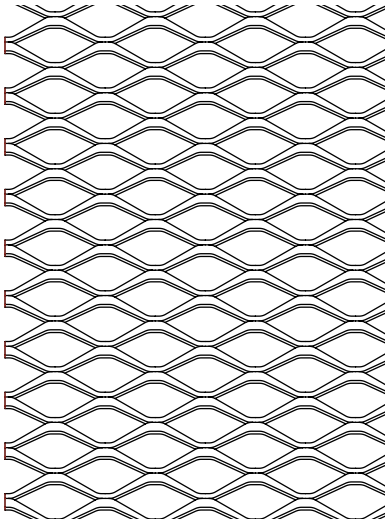
**Open Area Ratio**  
**60%**



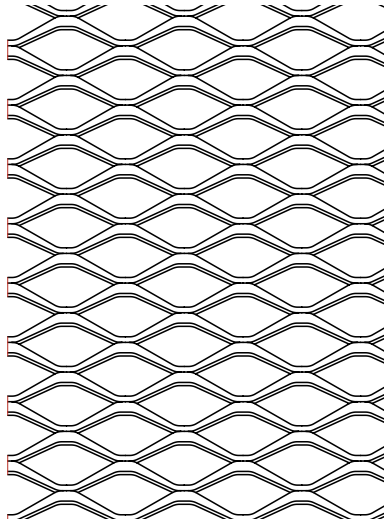
## Edges of Expanded Mesh

The edges of expanded mesh can feature a full mesh or half mesh, depending on the tolerance and specification of the material.

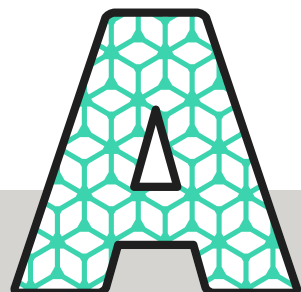
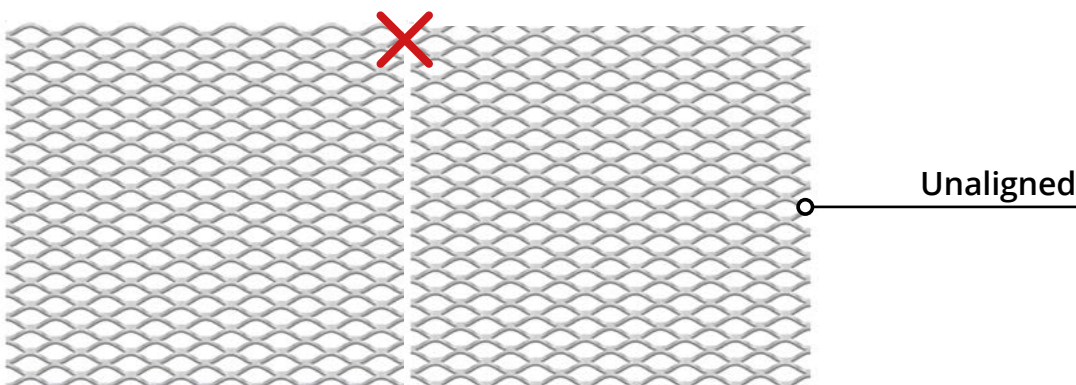
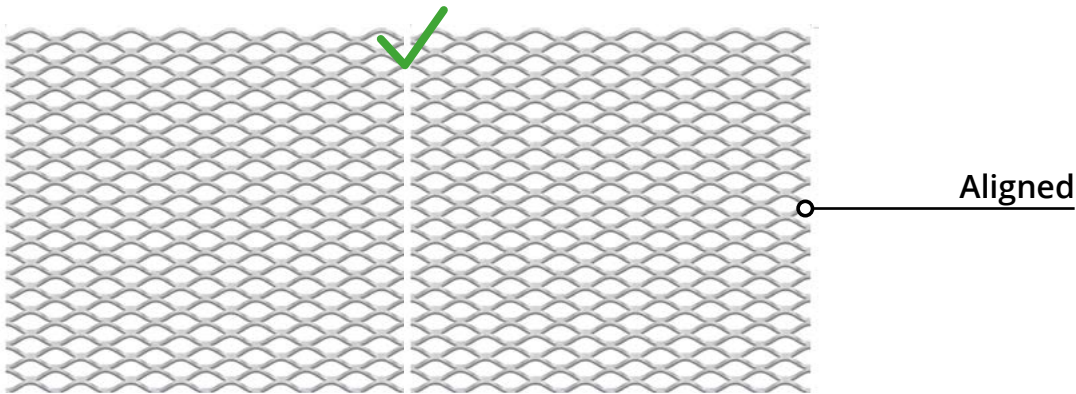
*Type A*



*Type B*



## Mesh alignment

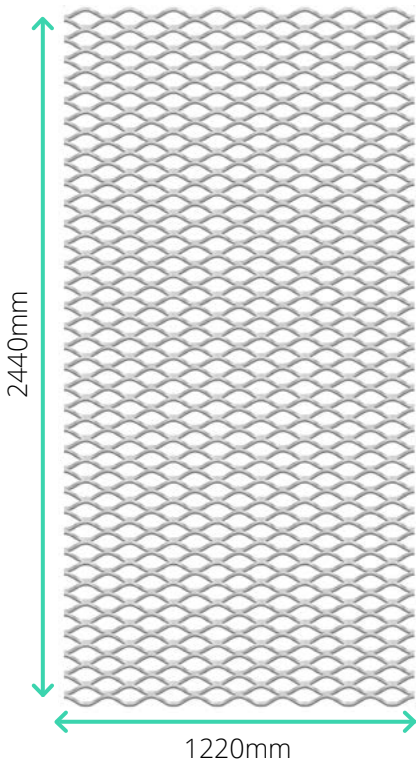


## Sheet Size and Mesh Orientation

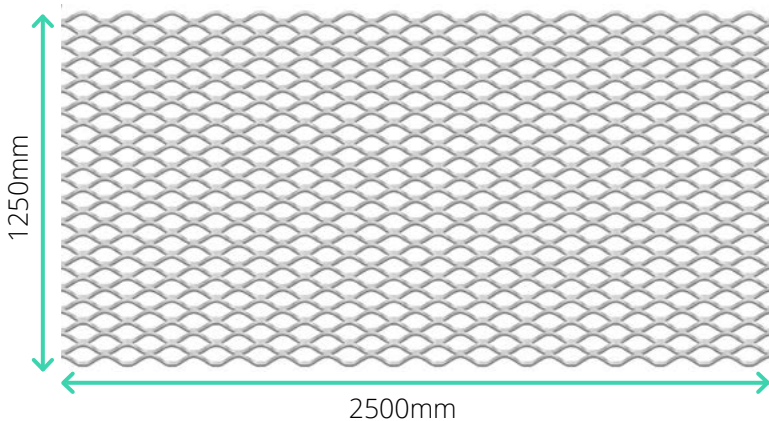
Expanded metal is available in a wide variety of sheet sizes. The sheet size is described as LWD and SWD (LW and SW Dimension). Below illustrates 1220mm LWD x 2440mm SWD and 2500mm LWD x 1250mm SWD sheets.

Stock sheets are manufactured to a nominal plus tolerance and are likely to be delivered slightly oversize. If exact sizes are required we recommend this be discussed at the time of order.

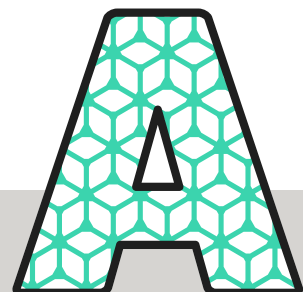
### SHEET ORIENTATION 1220mm LWD X 2440mm SWD



### SHEET ORIENTATION 2500mm LWD X 1250mm SWD



*It is possible to produce other sizes, please contact us for more details.*

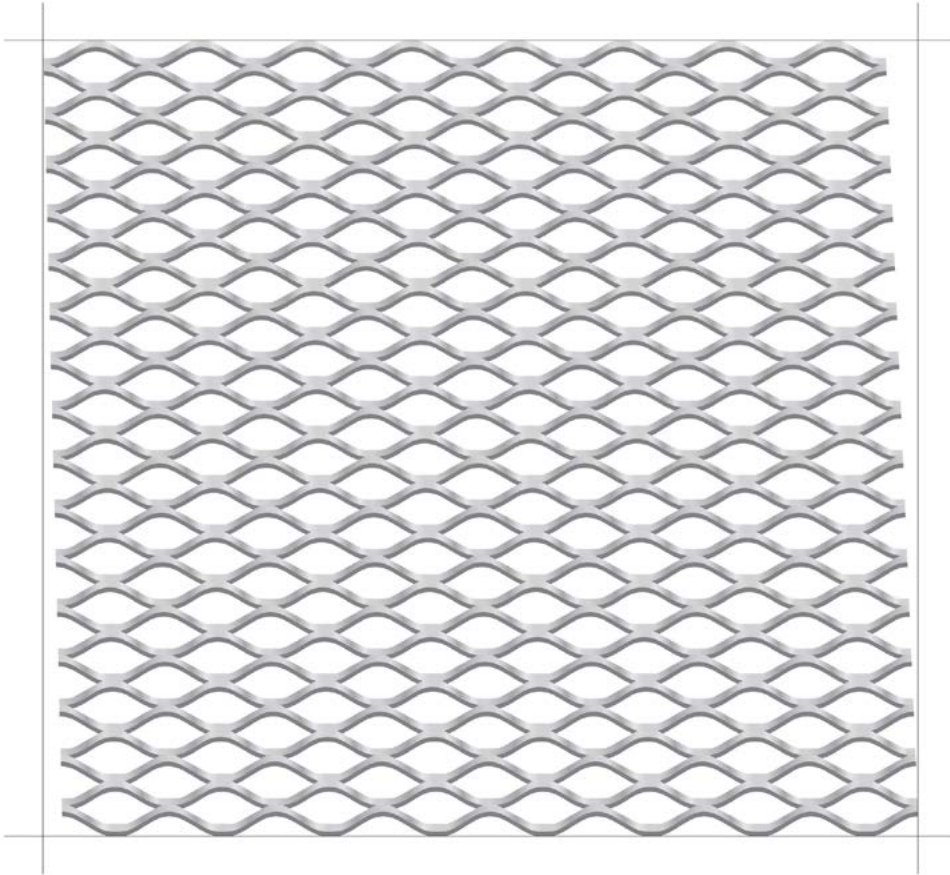


## Sheet Squareness

Expanded mesh can not be guaranteed to be perfectly square.

### **SHEET SQUARENESS**

Measured against a 90 degree angle.



*It is possible to produce other sizes, please contact us for more details.*

