

# THE EXPANDED METAL COMPANY

## INTRODUCING OUR FOIL PRODUCTS

EFFECTIVE SOLUTIONS FOR MULTIPLE INDUSTRIES

We have the design and manufacturing expertise to adapt our foil products to multiple applications – and can work with you to create a specific solution for your needs.

Prevents volatile liquids from exploding

Can be layered into filter panels to capture dust particles and grease

Minimum liquid displacement of only 0.95%

Can be compressed to an almost unlimited variety of shapes and sizes

No waste during manufacture and completely recyclable

Excellent acoustic attenuation and filtration properties

Increases crash resistance of tanks and containers

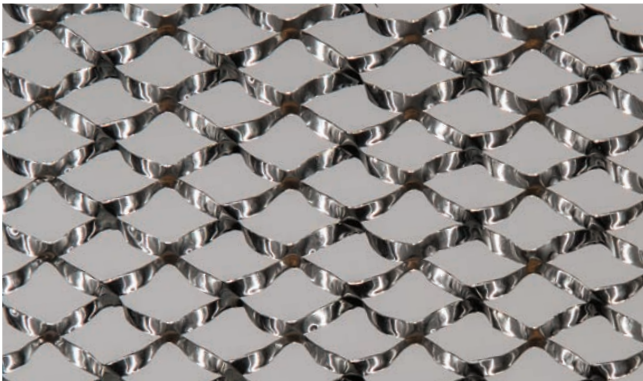
Reduces sloshing movement of liquid cargo through acting as a baffle



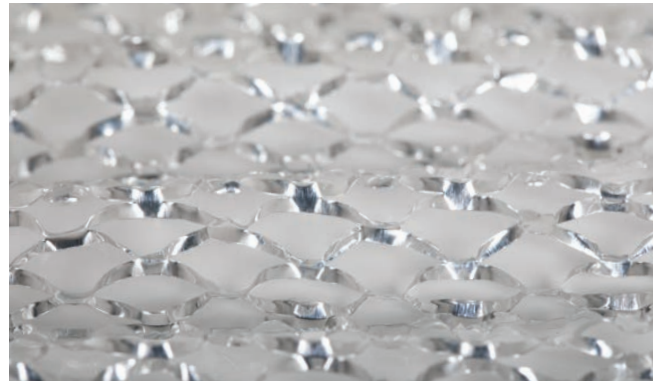
# Aluminium foil range

We offer a wide range of aluminium foil products, which can be purchased in sheets.

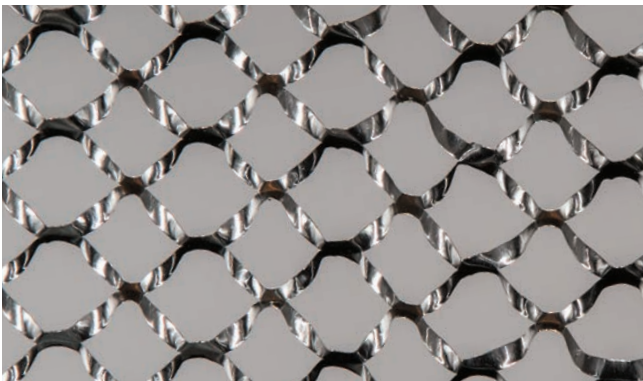
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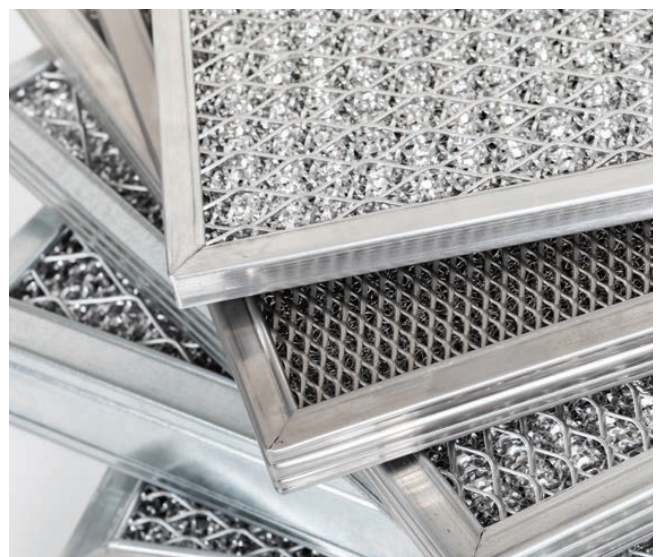
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## Filter Panels

Our aluminium foil can be layered into filter panels to capture dust particles and grease.

We can also supply complete filter panels. These are constructed from multiple layers of expanded aluminium foil mesh, arranged alternately at right angles to each other to provide a robust, high performance filter with low resistance to airflow. They are ideal for use within commercial kitchens and industrial filtration applications.





## Explosion suppression

The Expanded Metal Company has developed an explosion suppression safety foil, which is commonly used within fuel storage tanks.

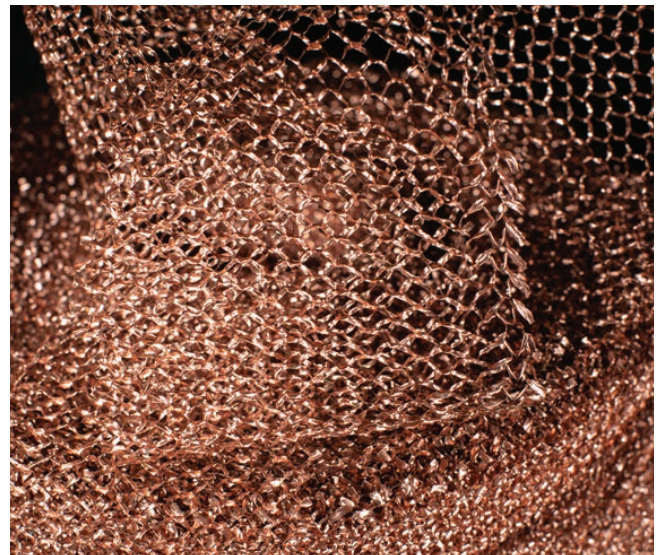
Extensive testing has proven that storage tanks filled with both fuel and our foil are able to prevent flames being propagated since the large area of the foil material absorbs heat and effectively extinguishes it prior to reaching detonation velocity. With a minimum liquid displacement of only 0.95% of volume filled, foil has negligible impact on capacity.



## Copper Foil

As well as aluminium foil, we have the ability to manufacture and supply copper foil products.

Copper foil offers good electrical and thermal conductivity, making it suitable for use in multiple industrial applications.



## Flexibility and adaptability

Our foil can be folded, wrapped or compressed.

Folded into layers, it has successfully been adopted as a highly effective filtration media – and by being compressed into uniquely shaped foil bricks, it can be used within an array of highly specialised solutions, such as filter cartridges.



## OUR FOIL IS USED ACROSS INDUSTRIES AND APPLICATIONS INCLUDING:



Our unique aluminium foil has been proven to perform in a diverse range of applications. Manufactured from 0.05mm aluminium and weighing less than 100g/m<sup>2</sup>, our innovative foil has all the benefits of traditional expanded metal mesh in a light and cost-effective form.

## Foil manufacturing capabilities and facilities

We have the design and manufacturing expertise to adapt our foil products to multiple applications – and can work with you to create a specific solution for your needs.

The Expanded Metal Company is a renowned specialist in expanded metal mesh solutions. Operating from a 25,000+ sqm site in Hartlepool, North East England, our company is a leader and innovator in the development and manufacture of expanded metal mesh products.

We offer a high degree of technical knowledge and our highly skilled team supports contractors and end users at all stages of their projects.

Our extensive facilities give us the capability to manufacture and hold in stock large quantities of foil products, while our flexibility allows us to handle smaller, bespoke orders.

**Contact us today  
and explore how  
we can support your  
project or application  
with foil products.**

**THE EXPANDED  
METAL COMPANY**

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