

# Thermal Insulation Mesh

Incorporating excellent heat resistance and mechanical strength characteristics



**Our knitted mesh protects industrial thermal insulation from abrasion and the general break up of the fibres resulting from routine handling, excessive vibration, and long-term deterioration.**

KnitMesh supplies a range of knitted mesh products that are used extensively for the sheathing and structural reinforcement of a wide range of thermal insulation materials used in a variety of industrial applications.



## Principles of Operation

A range of mesh reinforced thermal insulation products can be created by combining knitted mesh with standard industrial insulation materials. The products, which are easy to both install and maintain, include: semi-rigid sheets, flexible blankets, and a variety of seals and gaskets. Formed into interlocking asymmetrical wire loops, the mesh ensures superb physical protection and 'spring back' resilience.

The mesh is used extensively in the aircraft, nuclear, automotive and marine sectors. Typical applications in the gas and fire protection industries require high levels of durability and extreme temperature resistance for use as effective oven, boiler and furnace door seals.

## Quality Assurance

KnitMesh Technologies® is accredited to:  
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,  
PAS 99:2012 and IATF 16949:2016



## Features & Benefits

- Highly resistant to extreme temperatures
- Increased resilience and flexibility
- Excellent mechanical strength and abrasion resistance
- Available in a wide variety of profiles and materials
- Low cost tooling and rapid prototyping
- More cost effective than alternative solutions
- Made using state-of-the-art production methods

Approx. Working Temperature (°C)	Material
400	Stainless Steel 304L/306L
800	Stainless Steel 321/347
1050	Stainless Steel 310 Incoloy DS
1050+	Inconel 601*
1250	Nickel Chrome 80/20
1250+	FeCralloy**

\*Inconel is a registered trade mark of Special Metals Corporation, USA.

\*\*FeCralloy is a registered trademark of Kanthal AB

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