

t-fit.org

T-FIT[®]
INSULATION

Fit to perform. Fit to last

Think all insulation is the same?
Think again.

A  Zotefoams plc brand



T-FIT® delivers cutting-edge insulation solutions tailored for the pharmaceutical biotech, and food industries.

Our mission is to provide superior insulation products that ensure safety, efficiency, and compliance in demanding environments.

Discover the comprehensive range of T-FIT Insulation products, each designed to meet specific industry needs. From ensuring cleanliness in pharmaceutical settings to maintaining durability in biotech processes, our products offer unparalleled performance and reliability.



What makes T-FIT unique?

Exceptional Performance and Compliance

T-FIT is the only closed cell foam insulation product that meets or exceeds all relevant global standards for cleanroom insulation. T-FIT's inherent properties provide a truly exceptional performance at extreme temperatures while being resistant to moisture and fungal growth and particulate-, dust-, and fibre-free.



Market leading longevity and reliability

Engineered with durability in mind, T-FIT is designed to last for over a decade, removing the need for frequent replacements or repairs. This longevity not only reduces maintenance costs but also ensures consistent high performance, even in the most demanding conditions.



Simple installation and maintenance

Installation is simple and straightforward, even when time and space are tight. Designed to meet the most demanding pipe work configurations while being exceptionally workforce-friendly. The modular design of the insulating components makes maintenance inspections a simple 'open and close' operation.



Low Profile

Our unique 6.35mm (1/4") low profile offers key advantages at the design stage, enabling closer pipe placement and a more compact equipment layout. This reduces the overall footprint, essential for space-limited facilities. By allowing pipes to be closer, it also cuts down on pipe meters needed, leading to savings in material and installation time, making T-FIT a highly efficient insulation solution.

Environmentally Friendly

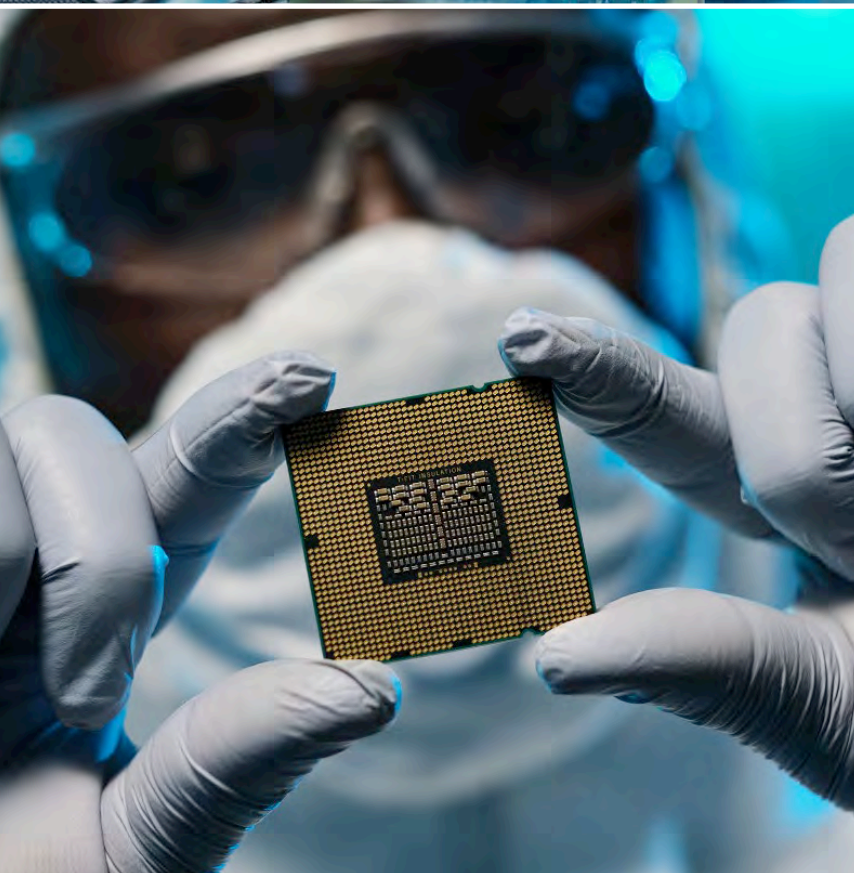
Market leading durability with 10-year refit intervals. Once installed, T-FIT is there to stay. No more regular 'stop-remove-dispose' refits with all the associated waste. Providing a low lifetime cost of ownership.



Workforce Friendly

No harmful chemicals or particles are given off during installation or during the products' extended, in-use lifespan. All T-FIT[®] products provide excellent protection from hot pipework for clothing, skin and equipment.





Modular cleanroom insulation designed for demanding environments in pharmaceutical, biotech and semiconductor manufacture.



FUNGUS
RESISTANT



FIRE SAFETY
CREDENTIALS



WATER
VAPOUR
RESISTANT



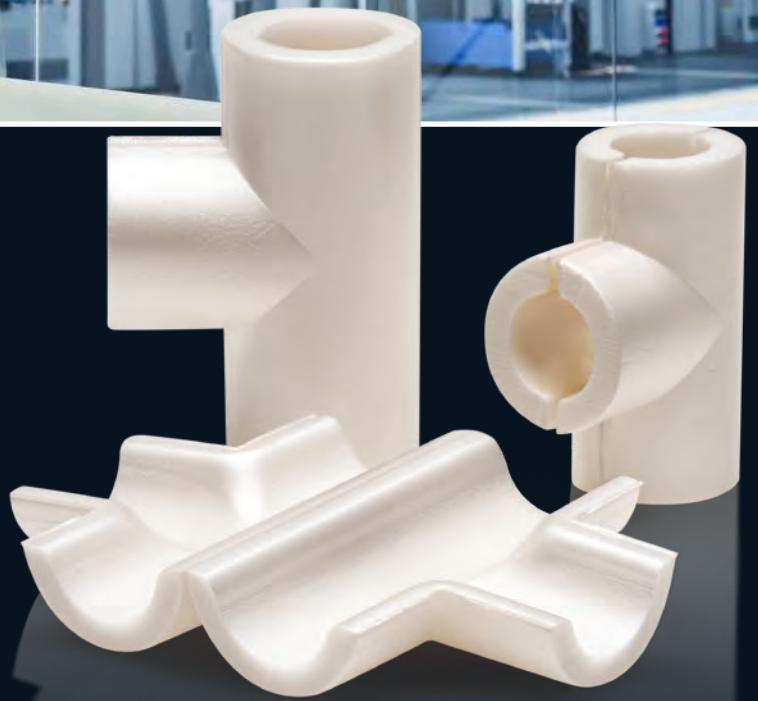
WIDE
TEMPERATURE
RANGE





T-FIT® Clean

The **only insulation solution** that meets internationally recognised cleanroom standards



- The only foam compliant with the FM4910 Global Cleanroom Materials Protocol
- Operating range -80°C to +160°C (-112 °F to + 320 °F)
- UL723 Certification - Rating of 0/0 for surface burning of materials





T-FIT Hygiene
Insulation offers
lightweight, flexible
insulation that is
easy to cut and
quick to install

Pipe insulation tailored for
aseptic areas in FMCG
applications, especially
food and beverage,
dairy and personal care.



FUNGUS
RESISTANT



FIRE SAFETY
CREDENTIALS



WATER
VAPOUR
RESISTANT



WIDE
TEMPERATURE
RANGE

T-FIT® Hygiene

- B s1 d0 Flammability Rating
- Operating range
-80°C to +145 °C (-112°F to +293°F)
- Designed for processes that
regularly cycle between
low & high temperatures





Sustainable Insulation

T-FIT® where sustainability meets excellence

T-FIT delivers exceptional insulation making it the go to choice for demanding manufacturing environments. Reducing energy consumption and providing longevity and reliability.

T-FIT products are typically installed around hot pipework to reduce heat loss that would otherwise occur if insulation was not installed.

A review of energy consumption during manufacture of T-FIT compared to energy savings offered by the product in use show a remarkable difference between the two metrics.

Taking a 2"/50mm ASME pipe running at 120°C over a 10-year period as "use phase", the approximate reduction in heat loss compared to a bare, uninsulated pipe is equivalent to ~1,497 kgCO₂e per meter of insulated pipe.

10 YEAR USE PHASE



UNINSULATED

2"(50mm) ASME pipe
running at 120°C

Vs



T-FIT INSULATED

2"(50mm) ASME pipe fitted with
1/4" (6.35mm) thick T-FIT Insulation

Heat loss savings
1,497 kgCO₂e/m

Approximate total energy use in production of raw materials, foam gassing/ production, and moulding etc, is equivalent to ~6.5 kgCO₂e/m

The comparative data above shows very clearly how T-FIT contributes to reduction in energy consumption and carbon footprint. Over a 10-year service life, the energy saving in the use-phase comfortably offsets the carbon footprint of manufacturing by an estimated 1,490 kgCO₂e per meter of insulation.



Client testimonials



"Installing T-FIT has a number of benefits. We eliminate the labour, time, and materials costs of replacing the nitrile rubber insulation each year. This also has a positive benefit for our green agenda, helping us reduce landfill as we will no longer be stripping out and disposing of non-recyclable materials every year."

Kevin Jepson

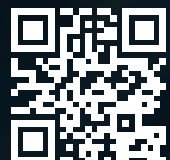
Service Manager, Mackies of Scotland



"We are very pleased with the results of installing T-FIT Process and Hygiene pipe insulation in our brewery. It has made a huge difference into the safety of our staff while also improving the hygiene and aesthetics of the pipework. T-FIT is easy to install, maintain, and clean, and it looks great. The flexibility in which it can be supplied makes it such a great product for us and it has solved all the problems we had with our old fibre insulation system. We highly recommend T-FIT Process and Hygiene Pipe to anyone looking for a reliable and effective insulation solution for high-temperature processing environments."

Lewis McLeavey

Engineering Leader, Meantime Brewery



Read the Case Studies

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ISO 9001:2015



Safety
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ISO 45001: 2018



Environment
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INSULATION

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