

t-fit.org

T-FIT[®]
INSULATION
Fit to perform. Fit to last

T-FIT[®] Hygiene

Insulation tailored for FMCG production processes

T-FIT[®] Hygiene insulation is the leading choice for aseptic areas in food and beverage, dairy and personal care manufacturing environments due to its fire-retardant properties and resistance to moisture and fungal growth.



A  Zotefoams plc brand

T-FIT[®]
INSULATION

**Fit to perform.
Fit to last**

In the competitive world of food and beverage manufacturing, efficiency, safety, and compliance are paramount. T-FIT Hygiene insulation is engineered to deliver transformative benefits, addressing critical industry challenges and elevating your operations to new heights.



What makes T-FIT Hygiene unique?

Advanced Technology



T-FIT® insulation inherits the unique properties built into Zotefoams closed cell foams. Particulate-, dust-, fibre-free and almost zero VOCs, inherently hydrophobic and highly resistant to bacteria and mould growth providing exceptional performance in any environment.

Wide Temperature Range



Suitable for both chilled and hot processing applications with an operating range of -80°C to $+145^{\circ}\text{C}$ (-112°F to $+293^{\circ}\text{F}$). Ideally suited to FMCG production processes that regularly cycle between low and high temperatures.

Easy Installation & Maintenance



Fast, tool-free installation — plus a long maintenance-free service life — insulation components are easy to open and close for inspection, and are available in 12.7mm and 6.35mm thicknesses, depending on specification.

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.

Leading Fire Safety Credentials



Excellent flammability credentials tested to Euroclass EN13501-1, achieving classification of B s1 d0. T-FIT Hygiene delivers one of the lowest flame and smoke rating of any polymer/elastomer insulating product.

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.

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



This system comes with factory-installed closure tape and does not require use of personal protection equipment to install.

The supplied tapes, sealant, and adhesives provided facilitate the creation of tight, water vapor-resistant joints swiftly and easily, a crucial aspect for low-temperature applications where effective condensation control is imperative.



TOOL FREE
INSTALLATION



WATER VAPOUR
RESISTANT



WORKFORCE
FRIENDLY



Hygiene straights



90° Elbow



Hygiene Tee









Product Specification

T-FIT® Hygiene is manufactured from Zotefoams ZOTEK® F43 HT closed cell PVDF foam.

The values provided in this Product Information Sheet represent data gathered from random samples of our production of ZOTEK F43 HT from which T-FIT Hygiene is produced and represent typical data. These are given to the best of our knowledge and should be considered as guidance only for selecting a suitable grade for a given application

Typical Values

Property	Test Standard	Typical Value
Material	Manufactured from an FDA-compliant resin	
 Service Temperature	*See Notes Below	-80 °C TO + 145 °C (-112°F to +293 °F)
 Thermal Conductivity	ISO 8301	Mean temperature of 25°C (77°F) 0.034 W/m.K (0.24 Btu.in/h.ft² °F)
Mean temperature of 50°C (122°F)		0.037 W/m.K (0.26 Btu.in/h.ft² °F)
Mean temperature of 80°C (176°F)		0.040 W/m.K (0.28 Btu.in/h.ft² °F)
 Fire Certification	EN13501-1	B - s1, d0
AS 1530	Gauge mm 5 Ignitability 0 Spread of flame 0 Heat Evolved 0 Smoke Dev 1	
 Water Vapour Transmission	ISO 1663	7250 µ Value
 Fungus Resistance	ASTM G21-15	Full test complete No signs after 28 days
 Leachable Ions	ASTM C-871	Pass

* This information is based on internal testing. For continuous use or advice on product specification with respect to condensation control or temperatures below -80°C, please contact your local T-FIT® representative.

** Based on independent testing and commentary, full report available on request.

The image shows a stack of white pipes with a blue pipe on top. The pipes are arranged in a slightly overlapping manner, and their circular openings are visible. The background is a solid blue color. A dark blue rounded rectangle is positioned on the right side of the image, containing the text 'T-FIT® Hygiene Specification' in white.

T-FIT® Hygiene
Specification

T-FIT® Hygiene: Straights
 Thickness: 6.35mm or 12.70mm
 Length: 920mm
 Moulded from Zotek®F43HT



Product Code	Compatible with Pipe outer diameter		Product Code	Compatible with Pipe outer diameter			
	inches	mm		inches	mm		
TFHS012A06U000-9001	ASME BPE	0.5	12.7	TFHS025A12U000-9003	ASME BPE	1.0	25.40
TFHS019A06U000-9002	ASME BPE	0.75	19.0	TFHS038A12U000-9004	ASME BPE	1.5	38.10
TFHS025A06U000-9003	ASME BPE	1.0	25.40	TFHS050A12U000-9005	ASME BPE	2.0	50.80
TFHS038A06U000-9004	ASME BPE	1.5	38.10	TFHS063A12U000-9006	ASME BPE	2.5	63.50
TFHS050A06U000-9005	ASME BPE	2.0	50.80	TFHS076A12U000-9007	ASME BPE	3.0	76.20
TFHS063A06U000-9006	ASME BPE	2.5	63.50	TFHS101A12U000-9008	ASME BPE	4.0	101.60
TFHS076A06U000-9007	ASME BPE	3.0	76.20	TFHS021I12U000-9009	ISO 1127	DN15	21.30
TFHS101A06U000-9008	ASME BPE	4.0	101.60	TFHS026I12U000-9010	ISO 1127	DN20	26.90
TFHS021I06U000-9009	ASME BPE	DN15	21.30	TFHS033I12U000-9011	ISO 1127	DN25	33.70
TFHS026I06U000-9010	ASME BPE	DN20	26.90	TFHS042I12U000-9017	ISO 1127	DN32	42.40
TFHS033I06U000-9011	ASME BPE	DN25	33.70	TFHS048I12U000-9012	ISO 1127	DN40	48.30
TFHS042I06U000-9017	ASME BPE	DN32	42.40	TFHS060I12U000-9013	ISO 1127	DN50	60.30
TFHS048I06U000-9012	ASME BPE	DN40	48.30	TFHS076I12U000-9014	ISO 1127	DN65	76.10
TFHS060I06U000-9013	ASME BPE	DN50	60.30	TFHS088I12U000-9015	ISO 1127	DN80	88.90
TFHS076I06U000-9014	ASME BPE	DN65	76.10	TFHS023D12U000-9004	DIN 11850	DN20	23.00
TFHS088I06U000-9015	ASME BPE	DN80	88.90	TFHS029D12U000-9005	DIN 11850	DN25	29.00
TFHS114I06U000-9016	ASME BPE	DN100	114.30	TFHS035D12U000-9006	DIN 11850	DN32	35.00
TFHS023D06U000-9004	ASME BPE	DN20	23.00	TFHS041D12U000-9007	DIN 11850	DN40	41.00
TFHS029D06U000-9005	ASME BPE	DN25	29.00	TFHS053D12U000-9008	DIN 11850	DN50	53.00
TFHS035D06U000-9006	ASME BPE	DN32	35.00	TFHS070D12U000-9009	DIN 11850	DN65	70.00
TFHS041D06U000-9007	ASME BPE	DN40	41.00	TFHS085D12U000-9010	DIN 11850	DN80	85.00
TFHS053D06U000-9008	ASME BPE	DN50	53.00				
TFHS070D06U000-9009	ASME BPE	DN65	70.00				
TFHS085D06U000-9010	ASME BPE	DN80	85.00				
TFHS104D06U000-9011	ASME BPE	DN100	104.00				
TFHS057G06U000-9006	ASME BPE	2.0	57.00				



Creating Sustainable Solutions

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





Client testimonials

T-FIT® Insulation takes Mackie's closer to 'Britain's Greenest Business' goal



"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



Transforming Energy Efficiency at Meantime Brewing

"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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Zotefoams plc Management systems
are covered by the following:



Quality
FM 01870
ISO 9001:2015



Safety
OHS 32538
ISO 45001: 2018



Environment
EMS 36270
ISO 14001:2015

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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.

T-FIT®
INSULATION

Contact us

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t-fit.org



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