

# T-FIT<sup>®</sup> Hygiene

Insulation tailored for FMCG production processes

T-FIT<sup>®</sup> 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.





# 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.

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# What makes T-FIT Hygiene unique?

#### Advanced Technology

T-FIT<sup>®</sup> 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°C (-112°F to +293°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 maintenancefree 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

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Market leading durability with 10-year refit intervals. Once installed, T-FIT is there to stay. No more regular 'stop-removedispose' 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







## **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 Standarc	I	Typica	Typical Value		
Material	Manufactured from an FDA-compliant resin					
Service Temperature	*See Notes Below			-80 °C TO + 145 °C (-112°F to +293 °F)		
<b>Thermal Conductivity</b> Mean temperature of 25°C (77°F) Mean temperature of 50°C (122°F) Mean temperature of 80°C (176°F)	ISO 8301			0.034 W/m.K (0.24 Btu.in/h.ft² °F) 0.037 W/m.K (0.26 Btu.in/h.ft² °F) 0.040 W/m.K (0.28 Btu.in/h.ft² °F)		
Fire Certification Euroclass	EN13501-1		В -	B - s1, d0		
 AS 1530	Gauge mm 5	lgnitability 0	Spread of flame 0	e Heat Evolved 0	Smoke Dev 1	
Water Vapour Transmission	ISO 1663 7250		50 μ Value			
Fungus Resistance	ASTM G21-15			Full test complete No signs after 28 days		
Leachable lons	ASTM C-871		Pas	3		

\* 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.
\*\* Pased on independent testing and commentary full report available on request

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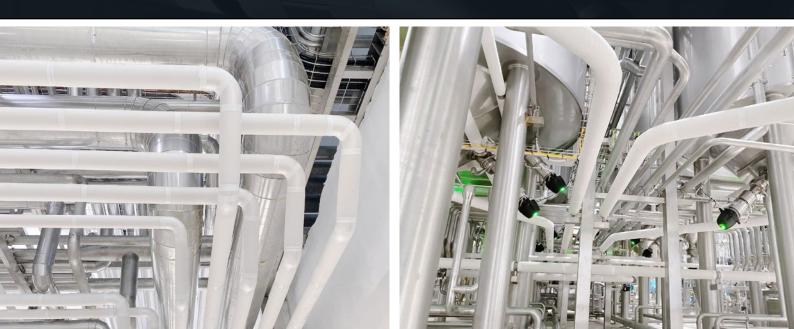
# **T-FIT®** Hygiene Specification

**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 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 TFHS050A12U000-9005 ASME BPE 1.0 25.40 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 TFHS101A12U000-9008 TFHS063A06U000-9006 ASME BPE 2.5 63.50 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 DN25 33.7**0** TFHS048I12U000-9012 DN40 48.30 ASME BPE ISO 1127 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 DN50 TFHS088I12U000-9015 ASME BPE 60.30 ISO 1127 DN80 88.90 76.10 TFHS076I06U000-9014 ASME BPE DN65 TFHS023D12U000-9004 DIN 11850 DN20 23.00 TFHS088I06U000-9015 ASME BPE DN80 88.90 TFHS029D12U000-9005 DIN 11850 **DN25** 29.00 TFHS035D12U000-9006 TFHS114I06U000-9016 ASME BPE DN100 114.30 DIN 11850 DN32 35.00 TFHS023D06U000-9004 ASME BPE DN20 23.00 TFHS041D12U000-9007 DIN 11850 DN40 41.00 TFHS029D06U000-9005 29.00 TFHS053D12U000-9008 DN50 53.00 ASME BPE DN25 DIN 11850 TEHS035D06U000-9006 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 53.00 ASME BPE DN50 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<sup>®</sup> 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.

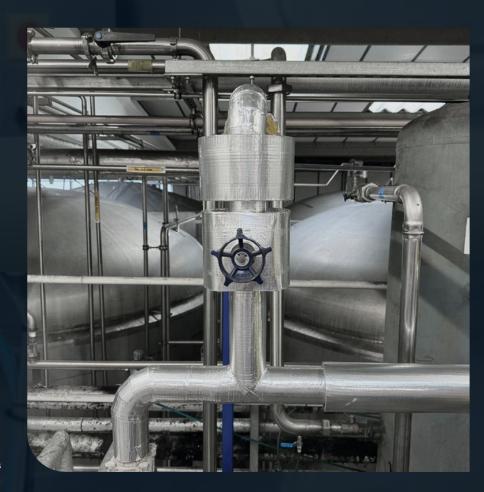
The flexibility in which it can be supplied makes it such a great product for us and it has solved all the problems we had with our old fibre insulation system. We highly recommend T-FIT Process and Hygiene Pipe to anyone looking for a reliable and effective insulation solution for high-temperature processing environments."

#### Lewis McLeavey

Engineering Leader, Meantime Brewery



Read the Case Studies



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Zotefoams plc Management systems are covered by the following:





Safety

OHS 52538 ISO 45001: 2018



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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®



Contact us t-fitsales@zotefoams.com

t-fit.org



