

T-FIT[®]

INSULATION

Fit to perform. **Fit** to last

T-FIT[®] HVAC

T-FIT HVAC is the **best, longest lasting** insulation solution for inside any HVAC unit, equipment and component applications.

Why Choose T-FIT HVAC ZOTEK[®] F 42 HT LS for your HVAC and AC unit needs?

- Excellent UV resistance (no foil cover needed)
- Wide operating temperature range (-80°C & +160°C)
- Ideally suited for demanding outdoor environments
- Very low VOC even at higher temperatures (at 90°C & 120°C)
- Fungus/ bacteria-resistant (ASTM G21-15 certified)
- Excellent flammability credentials (UL 723)
- Good insulation properties
- Hydrophobic & low water vapour permeability (elimination of condensation)
- Low density (light weight)
- A clean product
- Available in different thicknesses

UV, bacteria, humidity & high temperature resistant

Made from Zotefoams ZOTEK® F 42 HT LS, it offers market leading **UV resistance** and a service life far beyond that of the HVAC unit. It can be **cut into any shape** so will fit inside **any HVAC unit**. With a long-proven track record with a major humidification and compressor system manufacturer, T-FIT HVAC is the **only foam insulation** able to withstand their operating conditions of 100°C & high humidity (steam) making it the best-in-class insulation solution for all HVAC unit, equipment, and component applications. Well suited for demanding outdoor environments, it can withstand constant UV and high operating temperatures.

With excellent flammability credentials, it is the only closed cell crosslinked PVDF foam that meets the criteria for all leading flammability methodologies. **No other material that is UL 723 certified can withstand these conditions.**

Most cost effective

Long service life resulting in low maintenance & reduced repair costs:

- Excellent long-term performance at high temperature (up to 160°C) and high humidity. Material doesn't deteriorate over time.
- Resistant to thermal shock
- Excellent UV resistance (no cover needed)
- Long lasting, does not need to be replaced

Cleanest

- Low outgassing (very low VOC at room & high temperatures)
- No anti-microbial added
- Consistent performance over the lifetime of the product
- No particles shredding
- Chemically resistant

Simplest

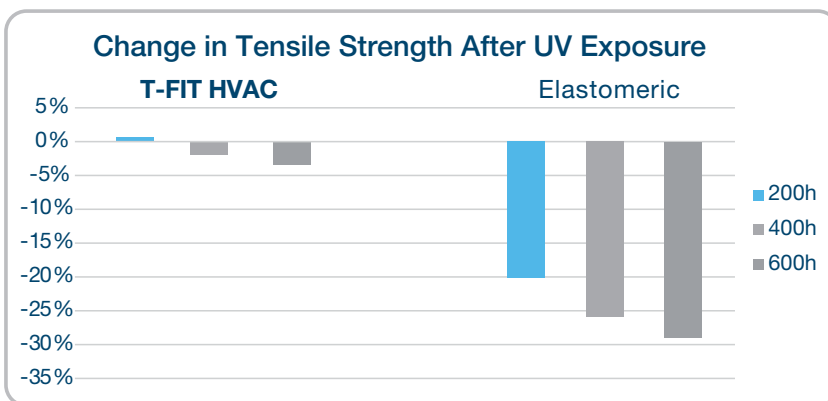
- Design flexibility (thin insulation with good insulation properties) – can be thermoformed in complex shapes
- No film needed to prevent water absorption.
- Can fit inside any HVAC and AC unit
- Easy to clean (resistant to chemicals)
- Easy to Install
- Reducing the supports needed to hold a duct system due to the lightweight of the foam

Safest

- Excellent flammability credentials (UL 723 certification tested)



A natural property of PVDF polymers, from which T-FIT HVAC is produced is exceptional resistance to UV. To illustrate the difference in performance, a market sample of elastomeric foam insulation was tested alongside T-FIT HVAC over 200, 400 and 600 hours under a high intensity Xenon tester with the following results:



The values provided represent data gathered from random samples of our production of ZOTEK F 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.

Zotefoams plc

675 Mitcham Road
Croydon, Surrey
CR9 3AL, United Kingdom
Tel: +44 (0) 20 8664 1600
Email: t-fitsales@zotefoams.com

T-FIT Insulation Solutions India Private Limited

810 Shapath V, S.G. Highway
Ahmedabad, Gujarat, 380015
Tel: +91 (0) 7433946464
Email: t-fitindia@zotefoams.com

Zotefoams T-FIT Material Technology (Kunshan) Co., Ltd

181 Huanlou Road, Development Zone,
Kunshan City, Jiangsu Pr. China 215333
Tel: +86 (0) 512 5012 6001-8001
Email: t-fitchina@zotefoams.com

Zotefoams Inc.

55 Precision Drive
Walton KY, 41094 USA
Tel: +1 (0) 859 371 4025
Free: (800) 362-8358 (US Only)
Email: t-fitusa@zotefoams.com

T-FIT® and ZOTEK®
are registered trademarks
of Zotefoams plc.
All rights reserved.
Issue 1

If you would like more information visit t-fit.org/t-fit-hvac