



Krispy Kreme Leeds Operational Case Study

Capturing grease at source to support a cleaner extract system and reduce kitchen disruption

Smarter. Greener. Cleaner.

300µm

Pre-install grease reading

Less than 50µm

Four-month inspection

14 days

Recommended wool pad change cycle

Around 5 minutes

Staff wool pad change time



The challenge: grease build-up between cleans

Krispy Kreme Leeds had routine kitchen extract cleaning in place, but a pre-install inspection identified grease build-up within the system after the previous routine visit.

Wet Film Thickness Tests recorded a mean measurement of around 300µm, indicating that the cleaning frequency may not have been sufficient during a particularly busy trading period.



Pre-install inspection

Visible grease build-up was identified within the kitchen extract system before Ecofleece was installed.

Key issue

Routine cleaning helps manage grease risk, but grease can still build inside the canopy, ductwork and fan between scheduled visits. Ecofleece is designed to capture grease earlier, at the canopy, before it travels further into the system.



Grease build-up visible

Grease deposits found inside the extract system during the pre-install inspection.

Site snapshot

System: Double island canopy

Filters: 10 baffle filters

Ductwork: 4.5m ductwork and fan

Initial reading: Around 300µm mean Wet Film Thickness Test

Why this matters

Grease build-up between cleans can increase cleaning pressure, operational risk and the need for closer inspection and maintenance planning.

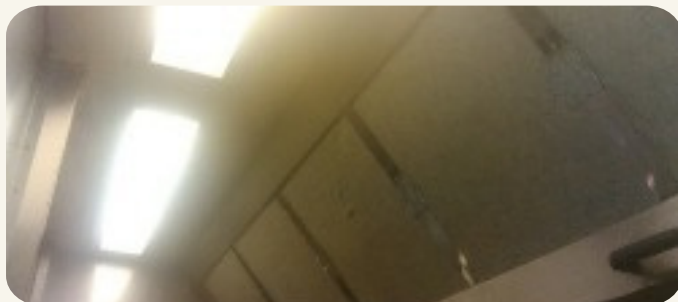


Ecofleece installed and staff trained

Ecofleece wool pads were installed across both sides of the double island canopy, with 10 filters fitted in total. Staff training was provided on site, and airflow readings were taken before and after installation.

The post-installation checks found that airflow had improved.

Canopy prior to fitting



Installation across both sides



Ecofleece three-part filter system

A disposable wool pad, support frame and metal baffle filter work together to capture grease at source.

How the Ecofleece filter system works

Ecofleece uses a simple three-part filter system designed to capture airborne grease at the canopy, before it can travel further into the ductwork and fan.

The wool pad sits in front of the metal filter, helping capture grease at source while supporting a practical replacement process for trained staff.

1 Install

Wool pads fitted in the frame between baffle filter

2 Train

Staff shown correct fitting and replacement

3 Monitor

Airflow and grease capture checked after installation

4 Replace

Pads changed according to site conditions

Why staff training matters

Correct fitting helps the wool pads sit securely in place, supporting effective grease capture and making replacement simple for trained staff.

Operational note:

During the early inspection, some wool pads were found to be creased because they had not been pulled tight. This was corrected through staff guidance. Creasing did not hamper Ecofleece performance.



Visible grease capture and simple maintenance

By day five following installation, Ecofleece filters were removed during the site's weekly chemical and steam cleaned. This created an opportunity to inspect the wool pads and the filter behind them.

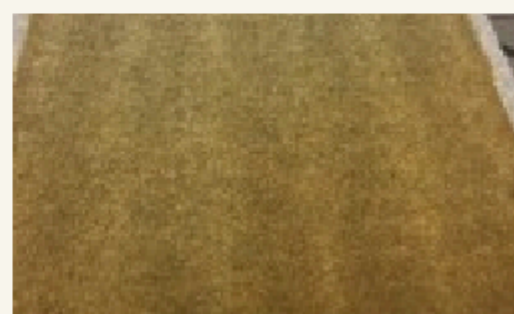
The wool pads showed visible discolouration from grease capture, while the metal filter behind remained clean, demonstrating that airborne grease was being captured before travelling further into the extract system.



Pads removed during weekly cleaning

Ecofleece filters were removed to allow the site's weekly chemical and steam clean.

Clean filter behind the wool pad



The baffle filter remained clean, showing grease was being captured at the wool pad.

Visible grease capture

Discolouration of the wool pad showed airborne grease being collected during normal kitchen operation.

What this shows

The discolouration of the wool pads provides a clear visual indicator that grease is being captured at the canopy, before it can pass further into the ductwork and fan.

The clean filter behind the wool pad reinforced the effectiveness of the Ecofleece filter system in capturing airborne grease at source.

14 days

Recommended wool pad change cycle

Around 5 minutes

Typical staff replacement time

Medium grease level

Change schedule based on site observations

Practical note: Wool is water resistant, not waterproof, so the pads were removed during the site's weekly chemical and steam clean.



Cleaner system conditions after four months

Before & After Comparison



BEFORE: 300µm grease depth



AFTER: <50µm grease depth

Results summary

A follow-up inspection was carried out four months after installation. The pre-install inspection recorded a mean grease depth reading of around 300µm. At the four-month inspection, the post-install reading was recorded as less than 50µm, showing significantly cleaner system conditions.

Grease reduction observed

From around 300µm pre-install to less than 50µm after four months.

Operational guidance set

Wool pad replacement was recommended every 14 days based on observed medium grease generation.

Simple staff process

Staff were shown how to replace the wool pads, with the process taking around 5 minutes.

Recommendation

Based on the results observed at this site, the Ecofleece filtration system provided a practical way to support grease capture at source, reduce grease loading between scheduled extract cleans, and support ongoing inspection and maintenance planning.

**Could Ecofleece support your kitchen extract system?
Speak to us about site suitability, installation planning,
maintenance guidance and partner support.**

Contact us for a free suitability survey

hello@ecofleecefilters.com

*Performance figures refer to independent testing of wool-based filtration media under controlled conditions. Actual performance will vary depending on application, cooking activity, airflow, installation and maintenance. Ecofleece forms part of a wider ventilation hygiene system and does not remove the need for routine inspection, maintenance or duct cleaning.



Could Ecofleece support your kitchen extract system?

Ecofleece can support site suitability discussions, installation planning, maintenance guidance and partner conversations.

Get in touch to discuss whether the Ecofleece filter system is suitable for your kitchen extract system.

Get in touch

hello@ecofleecefilters.com

ecofleecefilters.com



This site discontinued use of the wool filter system due to a change of operator.

Copyright and Intellectual Property Notice

© Kiwibond International Ltd trading as Ecofleece® and WoolGuard®. All rights reserved.

This document and all associated Ecofleece and WoolGuard materials, including guides, manuals, training resources, technical information, diagrams, images, videos, templates and digital content, are protected by copyright and other intellectual property rights under UK law.

No part of this material may be copied, reproduced, adapted, modified, distributed, published, shared, rebranded, incorporated into other materials, or used to create competing or derivative products, services, systems, training resources or documentation without the prior written consent of Kiwibond International Ltd.

Authorised Distributors, Dealers, Representatives, Agents and approved partners may use this material solely for purposes directly connected with their authorised Ecofleece and WoolGuard activities. All other rights are reserved.

Unauthorised use may constitute an infringement of intellectual property rights and may result in legal action.

This document is provided for general guidance only. Whilst every effort has been made to ensure accuracy, Kiwibond International Ltd, Ecofleece Ltd, WoolGuard UK Ltd and associated companies accept no liability for any loss, damage or decision arising from reliance upon its contents.

