

Wet Film Thickness Test (W.F.T.T)

The Wet Film Thickness Test is a simple safety check designed to assess the internal condition of kitchen grease extract systems. A precision engineered comb gauge is used to measure the thickness of soft grease and fat deposits on the interior surfaces of the extract ductwork.

reduce the risk of fire The measurements recorded provide valuable information relating to system cleanliness or dirtiness and ultimately system safety. The results of the tests are compared to the guidance levels set in HVCA's TR19 and relevant actions is taken, such as cleaning or continued monitoring. It is recommend that testing be carried out at regular intervals not exceeding 12 months.

Recommended Test Locations:

- Extract canopy plenum – behind filters.
- Ductwork interior 1m from canopy .
- Ductwork interior 3m from canopy.
- Ductwork interior at regular intervals.
- Duct upstream of fan.
- Discharge duct downstream of fan.



Excessive Grease Fouling

WET FILM THICKNESS TEST MEASUREMENT	RECOMMENDED ACTION
200 microns as a mean across the system	Complete cleaning required
Any single measurement above 500 microns	Urgent local cleaning required

TR19 Section 7 Surface Grease Deposit Limits, Table 9

verifiable test method

The deposit limits refer to the degree of grease deposition within the ductwork consistent with good practice. Other factors such as cooking methods, potential ignition sources and other combustible debris will affect the risk of fire.

Regular system measurements must be supported with a visual inspection and a report on internal system



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