

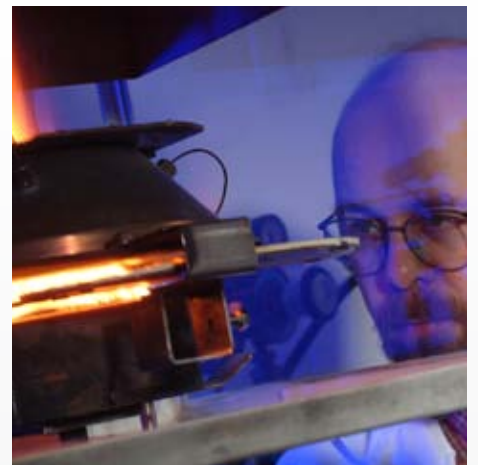
# The Fire Retardant Development & Testing Specialists



Formulation



Processing



Testing

Saving you time and increasing your revenue

# Do you recognise any of these challenges?

## Product development

- Developing new high performance products?
- Re-formulating existing products to meet new regulatory standards?

## Testing & data

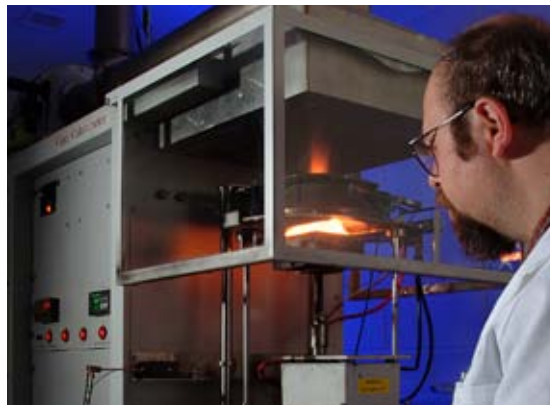
- Insufficient testing and long lead times causing delays in product development?
- Providing your sales team with benchmarking data against your competitors' products?

## Fireproof Services

- Fire retardant product formulation & re-formulation
- Polymer processing (300g – 1Kg)
- Small-scale materials testing

Testing carried out to international standards including, but not limited to:

- ISO: 5660-1, 4589-2 & 5659-2
- BS: 476 (part 15), 2782 (Part 1) & 6401
- ASTM: D2863, E1354, E1474 & E662
- NES: 711



Fireproof testing



Fireproof formulation

# Fireproof can help you to reduce product development lead times and to increase sales.

## How?

### Rapid testing

Our in-house capabilities enable us to carry out more tests, in less time.

- Polymer processing, compounding & moulding of test specimens
- Flammability, heat release, smoke emission, mechanical, physical and electrical testing

New product development is an iterative process. The faster you can create a sample and test it, the more variations you can try. The more variations you test, the sooner you'll achieve the performance characteristics you're looking for.

### Expertise

Our knowledge of potential substances and their performance characteristics enables us to create successful new formulations in less time.

### Benchmarking

Benchmarking the performance of your new and existing products against your competitors can help your product development team AND your sales team.

The unique combination of our expertise and our rapid testing capability can help you to bring better products to market in less time. Independent comparative performance data helps those products to succeed.



# Fireproof expertise

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## The team is led by Dr Paul Cusack

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Dr Cusack obtained his Ph.D. degree from the University of London for work on tin-based flame retardants and smoke suppressants, including investigations into their mode of action. He has authored and presented over 100 technical papers and has been named as an inventor on a number of patents. He is regularly invited to speak at conferences around the world.

Dr Cusack and his team have extensive experience of fire retardant development and fire testing having worked on a number of commercial projects for clients such as Almatiss, Braskem, Catena Additives, Dow Corning, Grecian Magnesite, Joseph Storey & Co and William Blythe.

The team has also been heavily involved in a wide range of government-funded projects in the area of fire testing and fire retardancy including: ENFIRO, HYBRID, FLAMTEX, HALFREE and STEELPROST.



Dr Paul Cusack

To discuss how we could help you, please contact Paul Cusack

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**DOW CORNING**

  
**Van Mannekus**

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**williamblythe**

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