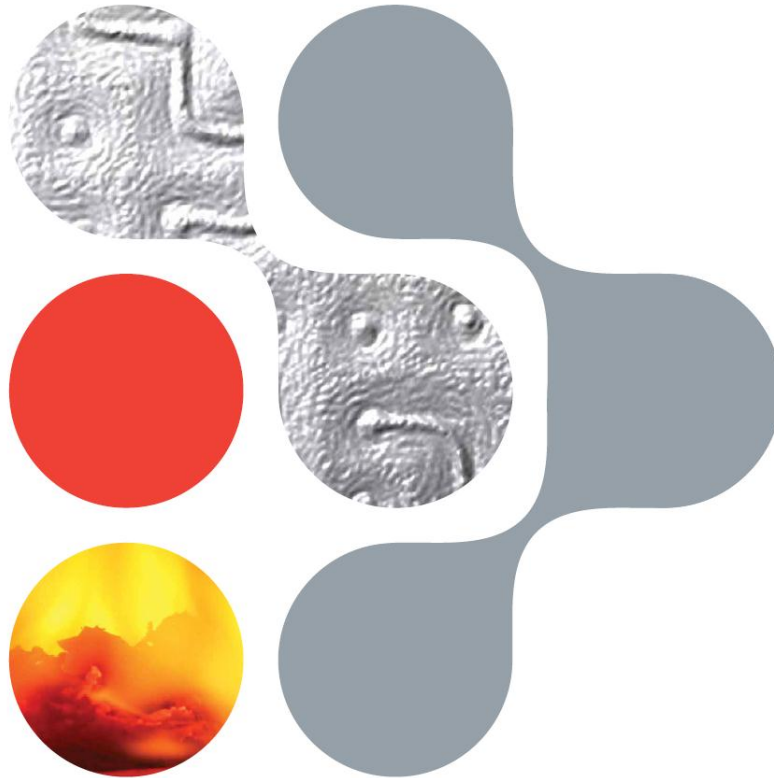


Fire Retardant Systems  
Case Study - XF T0329

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**Johnson Matthey**  
Colour Technologies



## Case study video



CLICK  TO PLAY



## Technical data

This case study demonstrates the potential of Johnson Matthey XF® Fire Retardant Systems to provide significant improvements in fire retardancy in glass fibre fire blankets.

Traditionally glass fibre fire blankets are employed in domestic & commercial kitchens, welding screens and fire barriers in buildings. These blankets can be supplied with variety of coatings to provide additional levels of fire retardancy, depending on the environment where protection is required.

These tests demonstrate the improvements in potential fire retardancy in coatings modified with Johnson Matthey XF® Fire Retardant Systems.



## Test criteria

### Testing Materials

Woven glass-fibre fire blanket strip 300mm x 40mm.

### Test conditions

The strip of fire blanket is suspended by its short edge so that it hangs free.

A 100gm weight is attached to the bottom edge of the strip.

A meker burner (30mm burner head), positioned 25mm from the centre of the fabric strip.

Fuel source - natural gas.

### Sample 1

Woven glass-fibre fire blanket - untreated.

### Sample 2

Woven glass-fibre fire blanket coated with XF T0329 in a 100mm centre section of the strip. The coating is applied to both sides of the blanket.

The test measured the total time from ignition of fuel source to the failure point of the fabric.



## Test results

Test	Time
Sample 1 - Untreated glass-fibre blanket	0m : 10s
Sample 2 - Glass-fibre blanket coated with XF T0329	42m : 51s



## Application

Johnson Matthey XF® Fire Retardant Systems should be considered whenever an improvement in fire retardancy is required.

Our products can be customised to meet a variety of applications typically; wire & cable, flooring, wall and textile coatings, paints, transparent systems and gel coats.

Please contact us to discuss your specific requirements.



ISO9001: FM 23657  
ISO14001: EMS 507805

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