



FSI creates unique fire protection products and systems that can be applied to a range of markets

FSI fire protection is highly effective, environmentally-friendly, pH-neutral and non-toxic





FSI-Textile provides fire protection for lounges, wall hangings, drapes and other fabrics

Effective and non-toxic, FSI-Textile can be applied post-production either in situ or at FSI's office in Stockholm

Treated fabrics may be dry cleaned

This is also available in combination with fabric stain protection from FSI

Test burn video: <https://vimeo.com/318066567>





FSI-Textile has been tested and approved by SWEREA AB (RISE) in Sweden

Meeting the European requirements for:

- Hanging textiles: EN 1102, 2016 &
- Furniture textiles: EN 1021, 1-2





Historically, FSI started in Sweden as an expansion of the Textile offering to IKEA

In 2006, an early version of FSI-Textile was used to protect the huge straw Gavle Goat from multiple arson attempts

FSI products and the FSI range have been constantly improving for both effectiveness and environmental friendliness





FSI now has offices in Stockholm and Sydney

In 2018, FSI expanded to Australia where fire is a massive market

The Australian government awarded FSI two enormous R&D grants to develop the non-toxic range:

- In textiles and polymers (CRCP-5) &
- Autonomous Intelligent Fire Protection Systems (AIFPS) (CRCP-6)



Originating in Sweden, FSI product development continues now at Australia's University of NSW

The UNSW FSI team consists of 9 full time Research Fellows in chemical engineering and mechanical and manufacturing engineering, supported by 3 Professors of engineering

UNSW FSI R&D is developing new, improved fire protection for textiles, polymers, timber and other building products



Textile and Polymer R&D - Australian Government Grant CRCP-5

To create and develop/maximise the effectiveness and non-toxicity of:

- Textiles
- Plastic building materials
- Timber and composite timber
- Bushfire products
- ACP panel remediation
- EPS panel remediation

R&D partners in this are shown here

IKEA





Some of the New Developments & Expected Availability

FSI-Furniture Foam	March 2019
New FSI-Textile Combined with Green Stain Protection	June 2019
FSI-Winny Paint – undercoat	July 2019
Washable FSI-Textile Combined with Green Stain Protection	October 2019
FSI-Composite timber (particle board/MDF/melamine)	October 2019
FSI-Polyester for Textiles	October 2019

Autonomous Intelligent Fire Protection Systems (AIFPS) - Australian Government Grant CRCP-6

Key Applications:

- Homes (especially kitchens)
- Commercial buildings
- Residential buildings
- Warships & submarines
- Passenger vehicles
- Trucks
- Aircraft

R&D partners are shown here



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